# THE MINING JOURNAL. The Mining Journal

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 397. -- Vol. XIII.]

LONDON: SATURDAY, APRIL 1, 1843.

[PRICE 6D.

Important and Valuable
FREEHOLD COAL MINES,
In the Forcest of Dean, county of Gloucestershire.

In the Forcest of Dean, county of Gloucestershire.

O PLIS & SON have been favoured with instructions to SELL. BY AUCTION.
AT THE AUCTION MART. LONDON,
ON YUNSDAY, BETN MAY,
URBEST PREVIOUSLY disposed of by private contract, of which due notice will be given,
IN ONE LOT.

THE PARK END COLLIERY,
Including the extensive coal works known as the
BROOKHALL DITCHES, and BIRCHES WELL.
These collieries have
TEN SHAFTS, OR PITS,
which contain

TEN SHAFTS, OE FITS,

FIVE HUNDRED AND EIGHTY-FIVE ACRES OF UNWORKED COAL,

500 acres of which are in six veins, and 55 acres in five veins.

The whole are calculated to contain

SIX MILLIONS FIVE HUNDRED THOUSAND TONS OF COAL.

EIGHT STEAM-ENGINES, FROM SIXTERS TO FIFTY-HORSE POWER,

Weighing machines, train and pit waggons, horses, tools, branch railway, and the
other numerous plant. Also,
A CONVENIENT DWELLING-HOUSE, FOR THE COLLIERY MANAGER,
35 work men's cottages, carpenters' and smiths' shop, warehouses, and timber yards.

These coal works are known as by far the most important and valuable on the
westers side of the Forest of Dean, and the coal is of superior quality. They are
silvate close to the main line of the fevers and Wye Railway, communicating with
both those rivers, and are in possession of an extractive trade in the Severs markets,
with a rapidly increasing demand from Bristol, Bridgewater, Cork, and other English and Irish ports.

To treat for the property by private contract, apply to Messrs. Pering, Minet, and
smith, 8, Lawrence Pountney-place, of whom particulars, with plans, may be obnained early in Agril. Particulars may also be bad of Messrs. H. H. and R. Wilton,
solicitors, Newhams; Mr. Pani, solicitor, Esteer, JR. Hiron Gething, the
manager of the works at Park End, at the Austrion Mart, London; and of Messrs.

VALUABLE LEAD MINE & COLLIERY — TO DE SOLD

VALUABLE LEAD MINE & COLLIERY.—TO BE SOLD, the LEASE of the valuable LEAD MINE of FALLOWFIELD, near Heaham, with all its MACHINERY, now in full operation, and raising a considerable quantity of ore. The establishment is very complete, with pumping, drawing, and eventing engines, washing apparatus, smelt-mill, with two hearths, air-furance, with every other requisite for carrying on the mine upon an extensive scale, and situated every other requisite for carrying on the mine upon an extensive scale, and situated within two mines of the Newcastin and Carlisle Railway.—Also the LEASE of FALLOWFIELD COLLIERY, adjoining the lead mine. The winning is nearly new, with an expedient seam of very fine coal, and for which there is a considerable sale to Heaham and the neighbourhood.

For further particulars apply to Mr. Henry Smith, Mr. Watson's, High-bridge, Newcastle-on-Tyne, or to Mr. John Henderson, at the mine.

FOR SALE, by PRIVATE CONTRACT, on the ROSEWALL WOR SALLS, DY FRI VATE CUNITRACT, OR the ROSEWALLSHILL MINE, one and a half mile from St. Ives, in Coursell, THERE STEAM
ENGINES, all new only three years ago; No. 1, a 26-inch cylinder PUMPINGENGINE, is feet atrock in the cylinder and 7, feet in the pump, with all weod work
complete, including doors and windows and first piece of connection-rost; No. 2, a
STAMPING-ENGINE, on Sinar's combined cylinder principle—42-horse power
per hoar; No. 3, a WINDING-ENGINE, 26-inch, double power, Boulton and Watt
engine—5 - Feet stroke, with winding agogaratus (non) complete. The whole of these
engines are on the most modern construction, made of the best material and workmanship; are only one and a half mile from a good shipping port, and may be had
very cheap.—Application to be made to Mr. Nicholas Tredisick, of Camborne, to
Mr. James Bims, engineer, at Redruth; or to Mr. English, 26, First-street, London.
Redruth, Dec. 3.

adapted for a Saw-Mill.—TO BE SOLD, a BARGAIN, a nearly new to-horse or HIGH-PRESSURE STEAM-ENGINE, with TWO BOILERS, and all the age complete as fixed, in excellent working condition; likewise a CIRCULAR W SENCH, with saws, bands, the sharing, dress, &c., to drive a deal frame circular saw beach.—Apply to Mr. Medwin, engineer, at the factory, Mana-latest, Recognity and

OR SALE, TWO LOCOMOTIVE-ENGINES, substantially

TO ENGINE-BUILDERS AND PUMP-MAKERS.—
PALMER and PERKINS' PATENT PISTON, fitted in a 10-inch pump, may be REEN any day AT SCUTT'S WHARF, BOUTHWARK-BRIDDE, Backade. In this application of it, there is no doubt, as notilizary amount of friction—represented by 202—in reduced to 29. If these pistons were fitted to the six pump of marine and other condensing—engines, the effective power, or economy of fact, would be statevially increased; the larger the engines the more manifest would be the heards.

TO MINING ADVENTURERS AND OTHERS.—Important RAVING OF FIFTY PER CENT. In the article of GREAKE—JOSEPH PERCIVAL, of Green-street, Wellington-street, Sinchfriday-read, London, began respectfully to lessers the MINING INTEREST that he meandethers so IM-PROVED PATENT ANTI PRICTION GREASE, for which, tran waggons, carriages, and all purposes for which oil and grease are now used.—A sample will be forwarded free, on application as above.

COMBUSTION of COAL CHEMICALLY & PRACTICALLY CONSIDERED. With coloured plates.

London: Bimpkin, Marchall A Co., and J. Wesle; Blemingham: Wrightson A Webb

OURNAL DES CHEMINS DE FER. — Paraissant à Paris tous les RAMEDIS méture formait que le RAILWAY TIMES et MAGAZINE. De l'abbonne à Londre chez Mysars. COWIE et FILS, Br. Ana's lanc, près le Francisco. Les Fortes Reus Notre Danné des Victoires, No. et, et tentes les communications susceptibles d'être atmosés delcent étre enverée trance.

Prix de l'abonnement pieur en en 27 f. de ..

O INVENTORS AND PATENTEES.—Messrs. ROBERT-SON and CO., PATENT SOLICITORS of which first Mr. J. C. Robertson. TO INVENTORS AND PATENT SELECTIONS of which fem Nr. J. C. Roberton, the Balton of the Menhanism' Magnation, from the commissionement, is 1819, in principal partners, condensate the PROCURATION OF PATENTS for England, fluctuated, property of the principal partners, condensate the PROCURATION OF PATENTS for England, fluctuated, property of the temperature of previous, disclaimers, and memorized temperature of patents.—Appendicate constitution of revised, disclaimers, and memorized temperature of patents enfected, marches made for patents, and abstraction supported, advices on cases established, fluctuated for patents, and call the patents, and call the patents, and call the patents, and call the patents of patents and Co., POSSESS the ONLY COMPLETE REGISTRY OF PATENTS ESTANT, commonstring A.D. 1617 II January 12, and respirably conditioned downs to the present time. Internating patentions required gradicy with printed loadractions, on applications, either personally or by latter,—Messers, Robertson and Co., abort undertake the REGISTRATION CF DESIGNS, for measurementing solutions of manifestuate under the Act of 2 and 4 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d., the ACT II and 6 Vin., cap. c.—Joss published, price 6d.,

ERIAL TRANSIT COMPANY.—Just published, by Acker-mann and Co., Strand, by permission of the Patentees, and respectfully in-ed to the directors, THREE different VIEWS of their CARRIAGE, the Aries, Price In., 2s. 6d., and 6s. eagh.

FRON TRADE.-TO CAPITALISTS.-Referring to my adve I RON TRADE.—TO CAPITALISTS.—Referring to my advertisement in a furmer Number of the Missing Journal, bearing an invitation to Capitalists to join me in the cretion of Blast-Furnaces and Mills, in the centre of Germany, for the manufacture of 15,000 tons (per annum) of rails, wanted for the construction of the German railways, 1 beg to state, in reply to questions put to me from various quarters, that MY MINING PROPERTY, for the service of the establishment proposed, CONSISTS of COAL-PIELDS, to the extent of three English square miles, in the largest of which there are two strata of excellent coking coal, of seven to eight feet and of six feet thickness. My ORE-PIELDS are the largest and most valuable in all central Germany; they cover an area of more than thirty English square miles. The ores are excellent, yielding from 48 to 65 per cent. metal, and in quantity they are liberally inexthaustible.

Persons who wish to treat with me best come over, next spring, and inspect property and localities.

R. MEYER,
Proprietor of Mines and Manufactories, at Hildburghausen, in Saxony.

DRITISH MINE SHARES, FOR SALE, OR PURCHASE, ON COMMISSION, by W. H. CUELL, 18, THREADNEEDLE-STREET.

BHARES MARKETABLE — Bestireds, Cornubians, Tamer, Timeroft, Tveleigh, Tretoil, United Hills, Wheal Brewer, West Wheal Jewel, Wickhow.

MPERIAL BRAZILIAN MINING ASSOCIATION.—Notice is hereby given, that the TRANSFER BOOKS will CLOSE on the .8th inst., and RE-OPEN on the next day after that of the general meeting in May, of which due notice will be given.

Winchester House, April 1.

THE MINERS' COMPANY.—The Court of Assistants of the Governor and Company of Copper Miners in England hereby give notice, that the ANNUAL GENERAL COURT, for the elections of Governor, Deputy-Governor, and Assistants, for the year ensuing, will, pursuant to the charter, he held at the office of the company, No. 5'4, Old Broad-street, on Saturday, the 8th day of April next, at One e'click precisely.—They further give notice, that such general court will also be on special affairs. By order of the Court of Assistants, Office of the Governor and Company of Copper W. INGLIS, Sec. Miners in England, Old Broad street, London, March 22.

THE PATENT SAFETY FUSE,
FOR BLASTING BOCKS IN MINES, QUARRIES, AND FOR SUBMARINE
OPERATIONS.—This article affords the safest, cheapest, and most expeditious
mode of effecting this very hazardous operation. From many testimonies to its
usefulness with which the Manufacturers have been favoured from every part of
the kingdom, they select the following letter, recently received from John Taylor,

TR. JOHN KYMER'S PATENT FURNACE, whereby an ECONOMICAL APPLICATION of FUEL is EFFECTED, with RAPID EVAPORATION, and WITHOUT SMOKE.—A furnace, on this construction, is creeted, and at work, at Mesers. Tuddy and Co.'s. 45, Minories, where it may be seen, by cards, to be had on application to Mr. J. M. Sunitey, 71, Cornhill, or Mr. B. English, Missing Juneau (Miss. 98, Flort-irred.).

TWEEDDALE PATENT DRAIN TILE AND BRICK COMPANY—Landowers, Farmers, Braining-Title, and Brickmakers, are informed that the COMPANY" MACHINES, for the manufacture of Draining Title, of increased length and augstric fabric, HAVE, by recent Improvements, REEN ADAPTED TO HAND LAROUR, and, being moved with the greatest facility from place to place, are now applicable to existing tile works of any construction or expectly. The royalty, as reduced, in its per 16th, decreasing on an annual make of a given amount. The emplany are enabled also confidently to recommend their Pataet Brick Machine, as being pertable, easily worked, and economical. Applications to be used to Mr. James Hunt, Io, Whiteball, London.

HOLLOW AND SOLID RAILWAY AXLES.—The PATENT OLLOW AND SOLID RAILWAY AXLES.—The PATENT SHAPT & AXLE-TREE COMPANY are prepared to supply either HOLLOW or SOLID AXLES, and, sithningh the former have not yet come into use, the experiments they have tried enable them to state with confinence, that their patent mod of manufacture (which includes Hollow Akres), combined with the use of a superior mixture of Isun, will maintain the name superiority of character for their hollow a they have gained for their solid askes, of which latter they have now supplied up wards of 25,260, two only, made in the commencement, of the year 1800, having here recently reported to them as having failed in use.

Brunswick Iron-Works, Wednesbury, Staffordshire.

REDGE'S PATENT IRON BRIDGES.—This economical and powerful system of construction is founded upon the PRINCEPLES OF THE LEVER—theoretice, it is adapted for the heaviest truffic of rail and other roads, and for the largest or smallest spans in all situations. It is not half an expensive at timber bridges | and, taking an average of large and small spans on the old principles of suspension. This system admitts of the creetion of ten powerful bridges from the principles of suspension. The Cilifon Bridges are not the principles of suspension that principles, counds be exceeded of \$10,000. The principles was first week by the Victoria Bridge. Company ever the Avon at Bath, in 1804, in a bridge, the feet long and IP wide. Afterwards, the Generalment admitted it for bridges of the Regreet's Park , and file James Colquidoun, Rart., used it over the Leven, in hortiland; this bridge is 20; feet long and if both ridge. Amount is true to the Narawhory, near Windows, for G. Blaremor, Eng., and one across the river Fronts, or H. Miller, Eng. The sizewitons, plans, sections, and description of Mr. Hartwoorf's ridge is positionised in the Architect. Magnicer, No. 20. It is 160 fast long some angelosished in the Architect. Magnicer, No. 20. It is 160 fast some near one of the reason and survey of the across the rigge to the same magnitude.

"Non quinquam simile and ascundage."

WALKER & CO'S IMPROVED PATENT HYDRAULIC MACHINER, edupted to all purposess of RAISING one FUNCING FLUIDS, CHALLENGE THE WORLD TO COMPETE WITH THEM. I'very monitors employed quest and of lestond, immented enquelly, statistically of delivery and dark hiller. The encrement is reducy, and may be worked by the head, stores, or any other power. A field, denote with sand, gravel, or other substances, is delivered in a continuous start in prower, from one man to five horses, and twill relate any quantity, from the substances, and twill relate any quantity, from the substances, and twill relate any quantity, from the in first galaxies per min one man for the first galactes per ministe, with horse gene or whether all attacked and the substances of the polarities of the principle of the patents. The "Hand Elevator," showing the polarities of the principle of the patent, and forming a good gardene engine, at I. The patentines long to one in a statemation of the mining districts to the changement and efficiency of their machines, which will enable the nations of noncommental indications in retine and hoders, and parasse one of draws power. The facility with which the machine can be required from place to patents or a self-uniting with which the machine can be recovered from place to patents and securing that will be described by the mining a said of the squared and entone power. The facility with which the machines can be recovered from place to place in an advantage that will be described by the mining and to smooth a way of the delivery may be a fine of the substance of the squared and entone of the delivery of the start of the

Parties applying by letter, about dute the distance from the water to the deli-very, the quantity required to be raised, and the position when the dil is not per-amble day.

The content of the co

DARIS AND LYONS RAILWAY COMPANY.

APPLICATIONS for SHARES will be received by Messrs. C. Devaux at Co., e7, King William street, Loudon; Hardman Earls, Eng., Liverpool; and Misrcham, 15, Bedford-row, London, until Tossekly, the 4th of April next.

By order of the directors.

MIDLAND COUNTIES RAILWAY.—The directors are READY to RECEIVE SEVENTEEN PHOUSAND POUNDS on SECURITY of their LOAN NOTES, for three years, at interest after the rate of 4 per cent. per annum, to be paid half, yearly.

By order, J. F. BELL, Secretary.

Leicester, March 14.

DOLTON AND PRESTON RAILWAY COMPANY.

TENDERS FOR LOANS ON MORTGAGE.—The directors of this company are propared, under powers of their Acts of Parliament, to RECEIVE TENDERS for the LOAN of MONEY, in sums of not less than \$200, and for terms of three, five, seven, or ten years, and to GRANT MORTGAGES of the said undertaking, and of the rairs, tolis, or monies arising therefrom, as securities for such loans, bearing interest at the rate of 2 per cent, per annum. INTEREST WARRANTS, for the whole term for which the loan shall be made, will be delivered to the lenders along with the mortgages, and be made payable half-rearly, at the company's hankers in Loadson, or feldton, as may be preferred. The tenders are to express the sums and the term of years for which the same are proposed to be lent, and to be addressed to the secretary, at the company's office, flollon.

By order of the board of directors.

Boiton, August 20.

SHEFFIELD, ASHTON-UNDER-LYNE, & MANCHESTER SHALWAY.—TENDERS FOR LOANS.—The directors are propares to GRANT MORTGAGES, under the powers of their Act of Parliament, FOR LOANS OF MONEY, in sums of not iess than 4700 carb, and for periods of three, five, or serency ears, at the option of the header.—Interest, at the rate of a per cent, per ansunt, will be paid half-rearly, for which interest warrants will be given for the period agreed on, payable at the company's bankers in London, Manchester, or sheffled; Further information may be obtained at the company's offices in Manchester of Sheffled; at the office of Messre, Parker and Smith, solicitors, Sheffled; Messre, Bagshaw and Stevenson, Manchester, or Messre, Johnson, Son, and Wethersil, Temple, London.

By order,

Manchester, Feb. 15.

J. PLATFORD, Secretary.

TO THE MINING, RAILWAY, & SHIPPING INTERESTS.

MR. ANDREW SMITH'S PATENT WIRE ROPE.

The vast superiority of WIRE ROPE for every purpose to which rope can be applied is now universally achieved red; It has the advantage of being only one-third the weight, at one-half the cost, for the same strength of hompes rups. and its extraordinary durability is proved by the fact, among numerous others, that the standing rigging of ships in her Majorsty's navy, made with minith's Patient Wire Rope, being overhauled after five years' wear, were found to present no more indications of decay than the first day they were put up. For every description of mining operations where rope is required, it is invaluable, and for working trains on railways, by stationary-engines, it is far superior, and less liable to accidents, than hempen rope.—For further particulars, apply to Mr. Andrew fmith, 2, White Lion-court, Cornhill, or at the office of the Mining Journal, it, Freet-afreet, London,

PRINTERS' PENSION SOCIETY.—The ANNIVERSARY
DINNER will take place on TUESDAY NEXT, the 4th of April inst., as the
London Tavern, Bishopsgale effect.
CHARLES DICKENS, Req., in the chair.

Bobert Bell, Esq.

William Bradbury, Req.
William Clowes, Jun., Esq.
William R. Cox., Esq.
William R. Cox., Esq.
Thomas B. Crempton, Esq.
Robert Fisher, Esq.
John Forster, Esq.
John Forster, Esq.
John Forster, Esq.
Thomas Hood, Esq.
Richard M. Wood, Esq.
Tichets, 20s. cach, including wise, to be lead of the Shewards, at the Tavern, and of

COMPOSITIONS FOR WRITING WITH STEEL PENS.

STRPHEN'S WRITING FILUIDS.

Those compositions, which have so remarkably extended the use of the steel pen, are brought to very great perfection, being more may to write with, more durable, and in every respect pretretable to the ordinary lisk. In warm climates they have become casestial. They consist of a bias fluid, changing into an intence black colour, a patient unchangeable brus fluid, remaining blace; a superior biasis into of the common character, but more fluid; a brilliant carmine red, for contrast writing; a carbonareaux record his, unchangeable to your observation great. Also, a new kind of marking ink, for lines; and inhibidees, adapted for preserving ink from exponention and dust.—N.B. Black ink and indistincts of the above articles are constantly being americand as "new discoveries," but, on examination, they will be found to have only some new nature. Propercy by Henry Stophens, the inventor, 54, Sharipod-offert, likethirar-cread, London; and sold by all stationers and booksellers.

Also, Stephens's select their Pens.

PRITANNIA LIFE ASSURANCE COMPANY,

1, PRINCES-STREET, BANK, LONDON.

This inefficition is empowered by special Act of Parlismont (4 Vict., cap. ig.), and a so concentrated as to afford the incredits of 16c associators, in their fulfish extent. In policy holders, and in present greater facilities and accommodation than accommodate the principal product of the policy holders, and in present greater facilities and accommodation than accommodate and suppresent and support, have been proved incombatility, by its extraordicary and suppresented ascornes.

Associators may citize to effected by parties on their own lives, or by parties interested therein on the lives of others.

The effect of an assertance on a present of own life, is to oreads, at once, a property in reversion, which can by no other means be realized. Take, for increases, the case of a present of all the first and the little section of the little desiration of the little desiration of the company, can become at once presented of a bequestbable property amounting to a com, achiged only to the condition of his to conflicting the same payers of operatory facting the remainder of his life—a condition which may be foliated by the more ouring of eight shellings weakly in his apprehilters. Thus, by the standard indicators at the company, which is property.

Detailed principal deficiency at the office.

PETER MORELION, Resident Directors

A board of directors attend delity, at two rivinors, for the occupants of sustainance.

TOUR OPE AN LIFE INSURANCE COMPANY.

EUROPEAN LIFE INSURANCE COMPANY

No. 10, CHATHAM-PLACE, BLACKPRIARR, LINDROS.

Paraconsur—der JAMER RIVET CARNAC, Burt, Roud COR, Lymington.

Vice-Paraconsur—GEDRGE POSEES, Enq. 9, Physop-square.

Dissections.

Thomas Heavy Cad, Enq. 1, Mount street, Gressramor square.

John Rivett Carnac, Enq. 41, Bermodition-street, Portland-glace.

Thomas Heaving, Enq. 41, Pating square.

John Georgian Javis, Eng. 50, Coloring Series.

John Georgian Javis, Eng. 50, Coloring Series.

William Paracon Javis, Eng. 50, Coloring Series.

Rev. Printy is Series. 12, Coloring Series.

William Series, Eng. 17, James Arrest, Smithing Sam, gate, John Growert, Eng. 7, Printy Series.

Freedowsky, Eng. 18, Johnson Street, Smithing Sam, gate, John Thoyte, Eng. 4, Printy Series.

John Thoyte, Eng. 4, Print Series, Smithing Sam, gate, John Thoyte, Eng. 4, Printy Series.

FACILIVES and allowed by the long semisimization security to said the views and the mount of oracy class of insociety. Printings are conveyed as an instruction of the first hardway, or quantitative—or upon an instruction of the series are constructly configurated to see instruction of the series of series.

Facility of the series of the series of the construction of the first feet paraconduction of the series of series in paraconduction of the series of

DISEASED AND HEALTHY LIVES ASSURED.

NEDSCAL, INVALID, AND CENERAL LIFE OFFICE,

This office to provided with vary encountry from Tables, by which is the
AMELER DISEASED LIVES on an observe former.

The color provided districtational of feed-actions of the assured in provinced books.

INCREASED AND CITES granted on Common Lives—the amount for the provided of the provided of the color of the assured in provinced books.

#### LAW INTELLIGENCE.

IMPORTANT TO RAILWAY CONTRACTORS.

VICE-GRANGELLORS' GOURT-MARCE 27.

RANGER C. THE GREAT WAVEREN BALLWAY CONTRACTORS.

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RESIDENCE CONTRACTORS OF THE CONTRACTORS.

The plaintiff—the opening and defence having been beard last term. It will be presented, that Mr. Ranger castered into contracts with the company to do the works at a stipulated prize, and the engineer was to be the sole arbitrator of the proper execution and progress of the works, and must give his certificate of approval before the plaintiff could receive any divances, which were to be made once a forteight—the current expenses demonstring from 15000L to 2000L per week. The original plans on which the contracts were made had been extensively sitered by Mr. Brunel, and extra works executed without any contract. For some time he gave certificates, but, it was alleged, not for near the amount day, and the contractor was compelled to borrow modey of the company on the morthages of his plant; he at length feil into peruniary difficulties—the works fell in arraw, and, in 1800, the directors, throwing all blance upon the contractor, took proncession of his plant (which was acknowledged to be worth 50,000L, though the contractor valued it at twice that same, and declared it and the money they own him forfaited.

Bir T. Willing, in his reply, contended that this was a case which, from the complexity of accommons, and the ingal points to which it gave rise, could only be settled in a court of equity; besides, the minute examination necessary to necessary of exceptation had been in the habit of giving to companies, and thought large experience would arise—viz., what a emporation may, or may not, do without a saal, and what causes of actions might be joined to great a without a saal, and what causes of actions might be joined to great when the work were completed. These powers had

the court.

On Tuesday hir T. Wilder concluded his reply, when His Honoun represent to be furnished with copies of every thing that had been used in evisues in the course of the hearing, and said it was his intention excefully to
and through every word before he gave his judgment. The case was one of
such vast suggestude and importance, that he was desired to git his best
destines and consideration; but, having regard to the increase of the curvant business which namally pressed upon the court as the sittings drew to a
maintaine, he thought it best to state, that he should not be analysid to promonce judgment before Michaelman term.

#### LIABILITY OF DIRECTORS OF PUBLIC COMPANIES.

LIABILITY OF DIRECTORS OF PUBLIC COMPANIES.

Form v. Harnovyle and oyneas.—This case was argued upon demotrer on the 7th and 6th loat. The bill was filed by the two plaintiffs, as share-holders in the Victorio Park Company, Manchester, against the defendants, even in number, who were directors of the company, charging them that they had, in that character, induced the company to perchase lands from them at a price exceeding their fair value, and sought discovery into the accounts, &c., alleging that they had raised money by mortigage, to a manner not authorized by the powers of the Act. The company was incorporated in May, 1837, and the dead contained the customary clauses, and gave the powers usual in deads of incorporation.—His Henroux now gave judgment, excelling acticing the arguments on both sides, and adverted, with some particularity, to the bankruptey of three of the directors, whereby their offices became vacated, and also to the electuatance of the office being given up, and all business wing transcasted at the onlicitors; but considered still, that the plaintiffs were set thereby prevented from carrying out the powers conferred upon them by the Act. He could, under the circumstances, come to no other coordinates that the demurrers must be allowed.

#### REVIEWS.

Bechequer Bille Perpery. A Statement, by William Marinen. Pelham Richardson, Curnhill, 1945. Svo., p.p. 55.

Rechequer Bille Forgery. A Statement, by William Marinen. Pollams Hickardson, Cornhill, 1943. Gro., p.p. 55.

We have carefully perused this pamphiet, and are free to confess that we cannot arrive at the conclusion which the author would wish to impress upon the reader, while the extents made, however they may justify the terms on which home were relead for Shoart and Happallo, do not appear in any way, to us, to exculpute Mr. Mariner, and his broker, from the charge brought forwards—of want of proper, if not octionary, cantion, in the transactions which led to on extensive a freed upon the country; and in which we cannot believe otherwise than that parties, not indeligated by legal proceedings, willingly lent thouselves, with the view of gain. As we cannot omeur in the reasoning alvanced by Mr. Mariner, as we avoid the expression of any conferencesial opinion, regenting, as we do, that the results should have been an injustome to the nation, which is called upon to make gued the losses which have normed from want of proper checks on the part of government, and, at the same times, that the author, in common with others (although of the "small fy"), participanting, in a very limited extent, in the bounding arising from the fraud, should an antiounly feel the consequences of exposure.

As we have before oald, we have carefully perused the eighty-five pages of which this statement is compliced, and have to appear on regret that we cannot arrive at any other conclusion than that, while we acquit the author want of proper and redinary cantion, in our opinion, be consequently whose instrumentality the business was done, and on the other through whose instrumentality the business was done, and out through a necond agent. Alteretify have francacted his basicers, and not brome and the better.

NEW PATENTS FOR MARCH.

# NEW PATENTS FOR MARCH.

of plant, respinsed, for improvements in the application of elemen-isten, respinsed, for improvements in the production of auxiliary power, and in apparatus to which the same are effected.

It am, residency conferention, and W. Vagino, of the same plane, remarks in the manufacture of Metaka and tiles, power affects. Confess, reads, and P. Banthousies, New road, re-marks in the manufacture of Metaka and tiles.

enquestintendent of the gas works. Brick land, Middlewer, a sense works, mechanical inspector, the hoper-remodels in the tile prespector of distributions insulting, and is appeared used the assessing gas or other banks, or, closed leaves, about a supplement to the no., closed leaves, about a supplement for improvements in the n

communication.)
communication, for improvequence in the m

ENGLISH MINES.

TRETHELLAN MINING COMPANY 461 8 6 Æ1401 10 6 -0412 19 11 #1201 0 5 Now in the purser's hands. . . . .

without important afterations.

T. RICHARDS,
TREGOLLAN MINING COMPANY.

March 21.—I weighed Tregolian ores yesterday, fifty-five tons, and sampled thirty one tons.

March 25.—Since I wrote you last, a small improvement has taken place in the mine. We have cut through the lade at the fifty fathom level, which is about it in chees wide, producing black and grey ores; the westerned will, at present, pay for driving. I think it advisable to put some of the sumponen to drive west on it, and if the ore does not continue in driving, a winze ought to be sonk—so long as it pays for slaking; we can afterwards set it at tribute. By slaking a winze, we shall discover whether it is another tode or not—at present it looks promising. I shall drive west, with two of the sumponen, until further orders from you, which, I hope, you will send before Friday neat, the setting-day. Finnes to say if a pitch may be set to pick over the hairons; it will increase the quantity of the ore, so the water for the stamps is failing off, and we can stamp the refuse afterwards; and also if any other works are to be performed that are not now in operation.

If. WILLIAMS.

TRALEGE CONSOLA MINING COMPANY.

TRELEIGH CONSOLS MINING COMPANY.

March 25.—The eighty, east of Christoe, is one foot wide, stones of ore, but of little value. At the eighty west we are driving north to see more of the lode. The sevency west is worth 61 per fathom, and has a favourable appearance. In the sixty, west of Garden's, the lode is five feet wide, and worth 61 per fathom. The fifty west is rather discribered. At Good Fortune, we are driving the cross-cut south in fair ground. The fifty west is two and a half feet wide, worth 41. per fathom—this is a very kindly lode. The forty-four west the lode is three feet wide, producing good stones, and has a kin-tly appearance.

W. Symons.

WEST WHEAT JEWEL MINING ASSOCIATION.

March 27.—No material alteration in the eighty-five cross-cut south sine our last. The seventy east, on the south branch, is worth 6i, per fathout the ground in the seventy west, on Wheal Jewel lade, is more favourable fed driving. No lade taken down in any other place sloce our last report, but we latend to take down the lades in the different levels and winses, and report upon them next week.

S. LEAN. UNITED HILLS MINING COMPANY.

March 29.—At the seventy fathom level, in the eastern end, the lode is four feet wide, two feet good ore; at the western and the lode is two and a half feet wide, producing but a small quantity of ore. At the sixty fathom level, in the eastern end, the lode is four feet wide, producing some good ore, and improved since last week; the lode in the western end is five feet wide, two foot on the north part ore of fair quality. At the fifty fathom level the lode is three and a half feet wide, good for ore. At James's shaft the lode is three and a half feet wide, ovey throughout, but not rich. At the firty fathom level the lode is three and a half feet wide, ovey throughout, but not rich. At the firty fathom is well the lode is eighteen lockes wide, six lankes ore of good quality. At Wheal Sparrow, at the twonty fathom level, the lode is two feet wide, producing ore of low quality. At the adit west the lode is one foot wide, with stones of noc.

Produce of ore assumpted last week:—130—6, 72—5, 54—54, 43—125, 30—5, In all, 319 tons.

CORNUCIAN MINING COMPANY.

CORNUCIAN MINING COMPANY.

March 27.—Our sumpmen have been sugaged during the past week in sending down the new plunger lift, emasquently, have not done much in the seventy fathons level. The lode in the sixty fathom level west in two feet wide, producing some good work; it appears we are not far distant from a rich course of ore. Murray's shaft, sinking below the fifty fathom level, is passing through a strata of ground very much congruint to lead. We have this day laid the foundation of the new segion-house.

J. WEED.

TAMAR RICHARD MINING COMPANY.

CORROLIDATED TRATUIL MINING COMPANY. Moreh 27.—The hole in the fifty fathous level, east of Heaward's shaft, is nine inches wide, producing a small quantity of ore. The hole in the fifty fathous level, wast of Heaward's shaft, is nine inches wide, predicting a small quantity of ore. The hole in the forty fathous level, wast of Heaward's shaft, is nine inches wide, predicting a small quantity of ore. The hole in the forty fathous level, cast of Heaward's shaft, is one food wide, very good tribute ground. We have this day holed the forty fathous level from Williams's to Heaward's shaft. The Blind Will's hole, at the still level, east of Morecom's shaft, is much as the fath lower wide, unproductive. The tip hole, in the back of the said level, east of Morecom's shaft, is much as half expected.

H. Williams. J. Morecom.

# POREIGN MINES.

FOREIGN MINES.
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A 17 We stratement of the content of widing par returbs.

A 17 We stratement of widing par returbs.

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cournging, and it will be uninfactory to you to fo (the delivery note), that the returns to the sea with our produce. Nothing has occurred to the departure of the gaillot Allen, with a full curpo week in March.

MACHINE FOR RAISING AND LOWERING MINERS-TRESAVEAN MINE. The spirited adventurers of this justly-celebrated mine have lost no time in carrying coward this machine to its empletion. On Tuesday last, the 20th, it commenced working to the deep level, 224 fathoms under the adit (the adit, we believe, is forty fathoms below the surface), a depth in all nearly

the salit, we believe, in forty fathoms below the surface), a depth to all parties are delighted, as well with the working of the machine, as with its effects in reflering the woman from the calcusting and desires, enabling them to decode their full strength to their shanking, and working them to decode their full strength to their wide, and working them to decode their full strength to their wide, and working worked on the Great Barrier Island, in the Pyth of the Thames, in New Zealand, the produce of the our of which is sometimes as high, as 40 and 50 per cents, and more than the strength of the control of the produce of the our of which is sometimes as high, as 40 and 50 per cents, and more of the control of the control of the produce of the our of which is sometimes as high, as 40 and 50 per cents, and in the produce of the our of the control of the produce of the our of the produce of the

Mount Witte Witte Service Serv

#### PROCEEDINGS OF PUBLIC COMPANIES.

COPIAPO MINING COMPANY.

The half-yearly meeting of the proprietors of this compa flor, Austin-friars, on Friday, the 31st uit. HENRY HARMAN, Esq., in the chair. After the usual preliminary business, the following repo

HENRY HARMAN, Esq., in the chair.

After the usual preliminary insincess, the following report was read:

Since the annual meeting in July last, four vessels have served for this company, ringing, together, 1363 tons of copper one, which averaged 25 per cent. of copper, and realized 27th per ton. The Swetchs ship, Esbased, with 120 tons of ore, saled rom Copiago on the 17th of November last, but is not yet arrived. The English sig, Mugforer, arrived at Copiago on the 13th of November last, and would be inputched in three weeks. Sin will bring about 326 tons of ore, and may be shortly repected. The directors have since chartered three other vessels—"12, the Universeld, Cynthio, and Monorrel, at reduced rates of freight, to follow in succession; hey will inoue, together, about 100 tons of ore. The quantity of enough of the produce of the shipping cres at the mine of Checo had fallen off interty, a considerable quantity of hadron, or processor, it was not antifered to almost 2000 tons, of which so tons were lying in the port ready for higment. Although the produce of the shipping cres at the mine of Checo had fallen off interty, a considerable quantity of hadrons, or poore cree, had been raised, not not sufficiently rich to admit of their transport for shipment until property dressed. The mining capitals in his last report, however, states that an improvement had taken place in the appearance of this mine, which he expected wealth of the agent and productive condition. During a period of fourteen months, since operations were commenced, newards of 1200 tons of ore of good quality had beer raised and productive condition. During a period of fourteen months, since the state of the last advices, it was, nevertheless, astisfactory to learn, on to the date of the last advices, it was, nevertheless, astisfactory to learn, and to the site of th sinces, up to the date of the last advices, it was, nevertheless, satisfactory to learn, at there was every probability of a favourable change shortly taking places, and not, before long, those mines would become productive. The produce of the silver related at Panina Large has given, on an average, 46: per too, and those raised at lan Jorge 17: per too. The balance of expenditure at the silver mines, up to 98th use least, did not exceed 16004. The number of men employed at these mines, at a above date, was only thirty three, but the directors have authorised the manager to put on twenty additional hands at Fanna Large, in order that the works as per procedured with greater vigour. Since the payment of the division of pretending symment of the daty, to only 11904. This new daty on the importation of foreign opper ore, amounted, of the daty, to only 11904. This new daty on the importation of foreign opper ore, amounted, on the above cargoes, to 2204. [being equal to 38s, per too), be fall in the price of enoper ore, and the high raise of freight paid upon ships dem up in the early part of last year, at Valparaise, have onco-sioned a considerable diminution in the profits of the company. Under these circumstances, it must be verticent to the shareholders that a dividend vannot be made at present. It is be hoped, however, that ere 16mg the copper trade wid revive, and again become profitable.

come profitable.

A special report of the mining captains, as to the Pampa Larga silver
mine, was also read.—It was then moved, and carried unanimously, that the
report be received and adopted.—The thanks of the meeting were voted to the
directors, for their attention to the offnire of the company, and the meeting

BIRMINGHAM AND GLOUCESTER RAILWAY

BIRMINGHAM AND GLOUCESTER RAILWAY.

A special general meeting of the shareholders of this company was held at Dee's Royal Hotel, Birmingham, on Tuesday, the 26th inst., for the purpose of taking into consideration the draft of a bill to esable the company to raise a further sum of money, and to amend former Acts.—The Chairman (Capt. Moorson, R.N.) said the proprietors, at meetings in February and May. 1841, had made certain financial arrangements, under which the directors had brought a bill before Parliament. He explained the financial statement which was appended to the report. He said many circumstances had concurred to depress the credit, and to lower the character, of the company; slowly, and with difficulty, the company had raised itself in the midst of obstacles, and, by carrying this bill, they should be placed on a firm and permanent basis. He pressed on every gentleman to record his vote.—Mr. W. M. Tanty moved a resolution, to the effect, that it was not expedient to raise the additional capital, and that no farther proceedings in Parliament be taken, and Mr. Carringford seconded it.—Mr. Baken (of Gloucester) moved, as an amendment, "That the bill now before the meeting he sanctioned and proceeded with."—This was seconded by Mr. Braken, and, by a show of hands, was declared to be carried.—Mr. Hudings demanded a scrutiny, and, at its termination, the result was —For the nuncolonet, 730 present and 1995 progies; total, 2325. Against it, 244 present, 1864 proxies; total, 2108—thus showing a majority in favour of the bill of 217.—A vote of thanks was then passed to the challenan, and the meeting broke up.

NEWCASTLE AND CARLISLE RAILWAY.

NEWCASTLE AND CARLISLE RAILWAY.

The annual meeting of the shareholders in this company was held in the Assembly Rooms, Westgate street, Newcastle-upon-Tyne, on Tuesday, the 28th ult., M. Plutisera, Esq., in the thair.—The report of the directors, which was drawn up in a very perspicuous manner, stated the directors felt great regret at not being able to congratulate the proprietors on an improvement in their trade, as the railway had, in common with others, suffered much from the depression of the times, though not to the same extent as some of them; all the reductions, however, in the establishment, which had been recommended by the committee of investigation, had been acted upon, and these reductions, in some measure, made up for the deficiency in the revenue. The directors felt considerable disappointment that the commissioners appointed by Government to report on the projected lines into Scotland should not have decided on an inland line, as two lines, one by the east eman from Newcastle, and the other on the weat from Carlisle, are unnecessary; but they were not visitoon hope that the Government unight yet be induced to give their consent to a measure so important as a direct railway communication from the sorth of England with Edinburgh and Ginagow, to be effected by the Newcastle and Carlisle line. The balance of profit for the year was 15,061d, 192, 4d, from which the directors recommended a dividend of 4d, per share on the 100i-shares, and in proportion on the quarter-shares.—The report was, after some discussion, adopted, and the dividend declared payable on the 21st instant.—The Dake of Mariburough, Mayor of Carlisle, J. D. Powles, M. Plummer, A. Hall, W. Woods, G. Johanon, J. Losh, J. Balanon, and P. Dixon, Esquevice of the chairman, and the meeting separated.

DUBLIN AND KINGSTOWN RAILWAY.

DUBLIN AND KINGSTOWN RAILWAY.

The annual unceting of the shareholders in this company was held at the company's offices, Westland-row, Dublin, on Saturday, the 23th uit. F. Lowe, Esq., in the choir,—Mr. J. Pru read the report, which was of considerable length, and highly satisfactory. It appeared that, since the opening of the line, dividends had been paid upon the capital attect of the company, numerating to 46,000/L, and 21,179/L its. 7d. had been applied, from annual profits, to the Equidation of the lone from the Board of Works. Much of the attention of the directors had been paid to the extremine of the line to Dalkry; the Lords of the Treatury had recommended to the Board of Works to sanction a loan to the company for the retinated amount, and the first instalment of 8000/L had been given to Mr. W. Dargen, and the atmospheric apparatus of Messers. Sementh Brothers was in a state of great forwardcars, and would, no doubt, be completed early in the annuing summer. The net profit for the year amounted to 13,720/L in. 8d., out of which they recommended a dividend of SL per cent, and 2000/L for the reduction of the debanture lune—teaving an unappropriated balance of 1730/L in. 8d.—After a longtheesed conversation, principally on the cost of the libre, and the greenal expenditure of the capital, the report was adapted and the dividend declared.—Messer.

H. Roe, J. Kincaid, and J. Magne, Roep., three directors, who wast out of other by retation, were re-stored.—Timake being voted to the directors and chairman, the meeting separated.

ULSTER RAILWAY COMPANY.

ULSTER RAILWAY COMPANY.

ULSTER RAILWAY COMPANY.

The ball-yearly meeting of the properture in this company was held in the beard-room, at the station, Belliust, on Thursday, the 16th lest.—Jamus Goudann, Koq., in the chair.—The report stated that the receipts for passengers for the via manthe ended 19th Fobrancy, was 74451. 11s, 1d., and goods 3337f, 13s, 44.—ended spot Fobrancy, was 74451. 11s, 1d., and goods 3337f, 13s, 44.—ended spot followed, to show any a net profit of \$1055. 7s, 10d., and of which a dividual of 1ds. per where was beclared, and 90. 1s. 10d., and of the new years a net profit of \$1055. 7s, 10d., and of which a dividual of 1ds. per where was beclared, and 90. 1sd., out of which a dividual of 1ds. per where was beclared, and of Company having differed materially to their gauge of rails with this company. The directions had their particular of the banel of trade to the subject, as at a no distant day, a justification of the two floors might be required. The report was adapted, the dividual dischard declared, and a reconstring passent, requesting the directions to secusion the property of remaining third-class marriages with each train.—Thanks were then voted to the challenges, and the meeting separated.

CANADA COMPANY,

CANADA COMPANY.

The annual general court of the proprietors was held at the house of the company, St. Helea's-piace, on Wednesday, the 29th ult., for the purpose of receiving the directored report, and of electing four directors and one auditor, in conformity with the provisions of the charter.—Mr. Charlem Franks (the governor) having taken the chair, entered upon the business of the day, by reading a statement, from which it appeared that the sale of hands on the company's extates effected during the past year amounted to 37,477 acres, at an average price of 19s. 11d. per acre currency, and that in the Huron tract 28,127 acres had been disposed of at the rate of 11s. 7d. per acre, giving a total of 65,06s acres, and producing, together with other sales, a net profit of 66,270l. The expenses of management in London amounted to 2330l., and in Canada to 3070l. The total on the debt side of the account was 98,600l., and upon the credit side 69,630l.—leaving a balance in favour of the company on the year's operations of 40,930l., being an increase of 11,000l. upon the profits of the previous year. This was principally to be attributed in the progress which had been made in the Huron tract, where the sales of fand had increased from 8000 to upwards of 72,000 acres, and the population by an addition of 1849 settlers, possessing a onjutal of 21,000l. Fresh settlements of large bodies of emigrants, from Eastern Canada and elsewhere, were likely to take place in the present year, and the only thing now manting to promote the ultimate prosperity of the colony was the opening of the British market to the stapic commodities of Canada.—The report having been received and anopted, the Chalbian stated, in reply to a proprietor, that 42,000l. was still owing for hills unpaid, the whole of which was secured upon property.—After a recommendation from Mr. Poyvnone, that the expenses in Canada of 5000l. per annum should be reduced as much as possible, and an intimation from Sir J. Eastmore, that the directors were desirous of ent

Evention and unditors of the company. A vote makes, and it was anomared that the dividend on the prefits for the year would be declared at the meeting in July.

NEW BRUNSWICK AND NOVA SCOTIA LAND COMPANY. The annual meeting of this company took place at the George and Vulture Tavera, Corabill, on Thursday, the 30th ult., John Moxon, Esq., in the chair, who, having regretted the necessity they had been under to adjourn the meeting through the late arrival of the accounts, requested the Sucanyany to read the directors' report, from which it appeared, that a great increase in sales of land had recently taken place. Thirteen families residing in Cheshire, with several others, intended going out to the provinces early this season. The progress of the company in the last three years were—In 1840, afteen buyers, 2100 acres; 1841, eighteen buyers, 2700j acres; 1702, forty buyers, 5195 acres, and 1600 acres and two town tots had been noid in England in last November, the buyers being six in number. The returns of Capt. Hayne showed also a large increase in the stock and crops of the settlers over that of the year preceding. The commissioner expected to dispose of 9000 acres to fifty-four purchasers, which would lay the foundation of a new settlement. It appeared from the balance—sheet for the last two years that the expenditure had considerably diminished, that for 1841 being 233A, and that for 1842 (1604, exclusive of the purchase-money paid to Government. Through the low price of labour and materials, two important lines of road had been made for 2004, which between the years 1836 and 1860 would have cost about 22004.—The report having been read, the Chainman subtred into a very detailed statement of the position of the company, which he could not help thinking much more improved than in former years.—The Succanyan read an address from the settlers at Stanley, in which they expressed their gralitude to the company for the confidence of the company, which he observed that it was not out of any distrust to their respect

ROYAL MAIL STEAM-PACKET COMPANY.

ROYAL MAIL STEAM-PACKET COMPANY.

A numerous meeting of the proprietors in this company was held at the London Tavern, Bishopsquis-street, on Thursday, the Sith uit. J. Javinu, Evg., in the chair.—The CHAIRMAN having stated that a satisfactory or rangement had been made with Government relative to the everywave of the mails to Harbadoes, by which seven days would be allowed for the reception of the hag, Captain Chappell (the secretary) read the report, which stated that it was generally admitted that the original project of the empany embraced the extensive a sphere of operations, and that, in assessment, with a view to obtain either an additional grant of money, or such a reduction of the standing and consequence appear as might afford a reasonable prospect of making it renumerative; and they permitted such cartailmost of its operations as encouraged the proprietors to persever in the undertaking. The dishursements of the last quarter of 1042 did and caseed 12,450, per month, being a saving of 7137L, and there was no doubt that a further saving would be effected. The report then went at great length into a detail of the arrangements of the Admiralty.

The balance clears was then produced, which showed an aggregate into a 79,790i. 16s. 0d. to the 31st of December fact; but the directors calculated that the future working of the company would not exceed 800,000d, per non-, and the receipts may be fairly calculated at 330,000d, thus leaving 125,000d, applicable to wear and tear and dividend—Dr. Bower we objected to the proprietors being called on at some to give their meeting do adjours to Monday, April 18.—Captain Swenkay seconded it, and accounts to the report; and moved a resolution to the effect that the report and accounts be printed, and, in order to give time for consideration, that the unsetting do adjours to Monday, April 18.—Captain Swenkay seconded it, and account to the report; and moved a resolution to the effect that the report and accounts to the secretary.—After monch discussion, as assessment as

THE BUDE LIGHT COMPANY

The beautiful system of illumination which is now getting is adoption, known as the "bade light," and for which Mr. Go ney obtained patents, is likely to supersede the present mode only is public buildings, churches, shops, &c., but even gen-dwellings, where hitherto the use of gas has been avoided as

acception, successive the supersede the present mode of lighting, only in public buildings, charches, shops, &c., but even generally in private decitings, where hitherto the use of gas has been avoided as inconvenient dangerous.

A company is now being formed for the purpose of purchasing the putest and disposing of licenses for its use—the owners of the putent having of seated to receive shares in the company in full payment of the purchase must thus giving convincing proof of their opinion as to the success of the unitating. An agreement has been entered into with an eminent firm for manufacture of all the apparatus necessary for the bude light, they paying the company a per centage on all sums received by them, and an annuality towards office expenses. The sources from whence the company is expant to derive a large income for the capital invested, are—the sales of licenses the manufacture and vend of the bude light; its use in churches and pur institutions, private dwellings, shops, &c.; licenses granted to gas comises; contracts with the districts in, and ten miles round, the enterope and from letting out, at an annual rent, the apparatus, chandeliers, burn lamps, &c., necessary.

Its advantages and superiority over every other kind of illumination numerous and apparent. It gives an much light as the best argand gas fawith enly one-half the expenditure of gas, and only half the heat is evidently disengaged, with a doubly illuminating power. It simplifies amazis the system of lighting, concentrating in one flame as much light as will differ beyond a large apartment a mid-day lustre, which can be reflected in generales acts as an excellent ventilator, the single tube which can off the consumed gas taking away the efficient, from a crowded room; and property will no doubt be the means of its introduction generally into prid decilings, as much objection has existed against the heat of the hydrogene London gas, to unlike the highly corburated gases of Etinburgh and Gayon. In the House of Commons, the saving by t

SCOTTISH AMICABLE LIFE ASSURANCE SOCIETY.

SCOTTISH AMICABLE LIFE ASSURANCE SOCIETY.

It is with pleasure we call attention to the gratifying information contained in the following report of this very promising scenery. It appears that while it has had the good fortune to have an amusing scarcity of deaths among its members during the past year, it has, not withstanding the great and general depression of trade, added a greater number of new members to its list, than during any former period; this speaks volumes in its favour, and the principles upon which it is conducted, securing the profits to the palley holders, by the motual system, appears to have attracted the attention of that portion of society who endeavour, by economising their resources, to provide something for a "rainy day," or a portion for their wives and families in the event of their decease. The annual meeting was held at their rooms, 141, Buchanna-street, Giangow, on Thursday, the 12th city, John Aiston, Eq., (of Rossmont) in the chair. Mr. Spens (the manager) read the report, from which it appeared that the number of new policies issued, and the amount of capital sums insured, were both greater than in any previous year since the society was established, and that the sum of claims from deaths was only about 30 per cent, of the estimated amount.—Mr. E. Koon attributed the prospecity of the company to the produces and activity of the directors, as well as to the careful amoner is which their very economic tables had been drawn up, and moved a vote of thanks to the directors, which was accouded, and carried unanimously.—Robert Jameson, Eq., in returning thanks, noticed the present satisfactory state of the society's affairs, as a proof of the great condicance of the public in its etablitity and utility; the claims last year amounted only to about the proportion of it, out of 1504, assured. He stated that by assuring in this society, members of the better death, a sum of from 504, to 2004, by a very small payment, these claims had not yet seemed to appreciate the advantages of life sour

The said yearly meeting epither RAILWAY COMPANY.

The said yearly meeting of the projectors in this company was balk in the bondernoon. In the station, Bart., on Britain the properties in this company was balk in the bondernoon of the state of the projectors in this company was balk in the bondernoon of the state of the projectors in this company was balk in the bondernoon of the state of the projectors in this company was balk in the bondernoon of the state of the projectors in the company was balk in the bondernoon of the state of

MR. HENRY ENGLISH, at the suggestion of several friends rested in Mining Operations, having determined on taking upon hims of MINERAL SURVEYOR and ENTATE AGENT, will be happy to convey of any Mineral Property, or sagnifications for pareliance of

has me, while the services of experienced agents of high re-walf, North and Scotth Wales, and Ireland, as also in the North, will the examination of mines and collieries, and reporting thermon, by ya may be confidently submitted, and their opinions taken on the so

NOREW SMITH'S PATENT WIRE BOPE.

BICKFORD, SMITH, AND DAVEY'S PATENT SAPETY PURE.
MARGARY'S PATENT (SULPHATE OF COPPER) FOR PRESERVATION OF
TIMBER IN MINES, AND ON BAILWAYS.

#### MEETINGS OF SCIENTIFIC BODIES,

	IN THE ENSUING WE		
ADEIRTY.	PLACE OF MERTING.	DAY.	mova.
Entomological	17, Old Bond-street	Monday	B 9.16.
Section Architects	if, Great ence-street	Monday	8 P.M.
aladical	Bolt-court, Piggt-street	Monday	B P. M.
Linnwan	Nobo-square	Tuesday	S F. M
Mortheultural	21, Regent street	Turaday	2 F. M.
Civil Engineers	75, Great George-street	Tuesday	84 P. M.
Chemical	Society of Arts, Adelphi	Tuesday	# F.M.
Acceptly of Arts	Adelphi	Wednesday	74
Caninginal	Sconerust House	Wednesday	6 P.M.
2 conformed	h7, Pail mail.	Thurwise	A
Bons	Somerset House	Thursday	84 F. M.
	Somerset House		
Bornal frontifuction	Albemaris street	Friday	86 P. W.
Bolanical	30, Budford-street, Cov.	g. Friday	8 P.M.
	i4, Grufton atrest		
	Regent's park		
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#### PUBLIC COMPANIES

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# NOTICES TO CORRESPONDENTS.

The Minima Journal is regularly published about Two o'clock on Saturday after moon, of the office, No. 20, VIEET-STREET, where it can always be obtained with these is on cause for irregularity in its empity, in from, other than neglect the part of the agend through whom it is ordered, but, as respects its transmission is country subscribers, the biams is whared with the Pust-after authorities.

Patons or Marcon Marcontain.—With the assistance of an externed correspond, we are enabled to by before our readers, in another eniume, that great distribution—a correct report of the "Correct Prices of Mining Materials," as play accreting the principal mines in Cornwall. This feature cannot fall being preciated by most of our readers—more especially those connected with on passive whose sear of management is located at a distance from the district which their conscribing may be carried on, as affecting as effectual check these gross exceptions which have been mainly instrumental in times gone in resulting a feating of district in the minds of honourcable mean towards only adventures. We shall be gired to receive constructions on the subject, a where corrections may be exceeded, in make alterations, on satisfactory author?

erther" is anxious for information respecting the Mulfrey Hills Mining ay. Any particulars that may be farmiched, from an accredited source promptly incorted.

to be promapny conviews. Yet also be glad to receive the statistical statements, as proposed fivewaster correspondent, but cannot pledge consolves to their insectit, we have had an opportunity of cassolving into their merits and utility satisfact to our cofemna, the manuscript that is returned.

A Subscriber " (York).—The Thames Tunnel was opened on Saturday last, and statistical reduce of the empeasures undertaking was inserted in that day's Journal

- An Agent "(Redruth).—We expect the action alleded to will appear in the course of a week or later—at least, on we are artical, and recent returns and probability to the assumption of the direction.
- M. E. .. Address C. Manhy, Eog., Incitiution of Civil Engineers, London, from whom the required information can be readily obtained.
- whom the required information can be readily obtained.

  J. W.".—The papers have not appeared, and, we believe, are not likely in appear, in any other forcing in the regions, than our Journal. Any comments "J. W." may wish to make no the subject, of which he expresses himself or warm an admired, we shall be happy to receive.

  Deakin "Biarnation" —Mr. Biagres, of Nantygio, will readily render the additional information required to our corresponders, on the subject of his "Propiness Remeal information from the distriction and Manufacturing Districts," as definited in the Relieving the Biatron in the Mining and Manufacturing Districts," as definited in the Frequency of the 18th offs, which he has confecturing Districts," as definited in the Toughand of the 18th offs, which he papears so deeply to interest him, and which is out that will require much time and foundation has partners or the subject in the case to a be combined to the till require more time and foundation in the partners or the subject of the desired of the State of the section of the state of the section of the state of the section of the state of the desired of the state of the section o

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"Latth! — The bergest known diamound is in the presention of the Emperor of heather it is twinted at \$1,100,0000\$; and the Emperor of Russia has the on its worth. They assument immovement in sales as they increase in weight, a fine brilliant of one carel is, probably, worth 50, of \$1,...of two cares is, a would be about \$20,...of there carels 100,...of \$20,...of two cares 100,...of there carels 100,...of \$20,...of two cares 100,...of \$20,...of there carefully \$20,...of \$2

see extensive premises than these lately eccepted being found accessary, the administrator of the Mining Journal is REMOVED TO 14, FLEET-RERECT compresses to Descript, Charth.

#### THE MINING JOURNAL, Blailway and Commercial Gaiette.

# LONDON, APRIL 1, 1943.

sizenss of reducing the Attenty Fournact, can do so, other direct to the other-negh and newsconder or brockeding in torms or consists. Non-investigation is in the districtory are required to the forwarded to the office every endow-root will be made to ricitly the reason of compitation.

We are well pleased to find that the " smoke nuisance" is attracting attention, not only on the part of the public, but with those who, with scientific acquirements, possess the mouns, to a certain extent, of obviating its ill effects. In our Journal of to-day will be found letters from correspondents bearing on the subject, in which the principles, or edaptation, secured by patent by Mr. C. W. Wit-Manne, Mr. Ivison, and Mesers. Kvmnn and Lucinvon, form a sent feature. We purpose, therefore, taking some tice of the several patents, leaving out if consideration that to which Mr. Josewes Welleaus, of Liverpool, laye claim, and which, from the swidence before us, we are disposed to believe is not only a deception which he allows to be practised on others, but in which, we fear, he himself indulges.

With reforming to the letters of our correspondence, we have only to refer to the several papers which have appeared in the Journal couching on this important subject—the saving of feel, and conmption (or avoidance) of smoke. It will be found that not only has Ivenen's patent (as it is applied in Edinburgh) been fully described, but that the patent of Mr. C. W. WILLIAMS has also met with the same attention, so well so that of Kvican and Larone. won's, and, heatly, Mr. Josephu Wennenses; in each case not only on having been directed and paid to the neveral patents, but that the observations made in our columns have been the result of personal inspection.

As relates to Ivsson's patent, we have morely to observe, that

the evidence afforded only confirms the representations which have peared in our columns-there being no question as to the saving of fuel, on the subject of which we must refer to the article treating on the subject; while it may not be amiss to direct attention to the contrast afforded by the application of Ivison's patent, with reference to the common furnace, as evinced by a report now before We learn from this that the engine, working 354 hours, emitted, during that period-dense smoke, four minutes; half dense moke, thirty minutes; smoke, scarcely visible, seventy minutes; the period while no smoke was issued being 2026 minutes.

Let us, for a moment, contrast this with the working of the engines without the application of the patented process. We then find, that in working them for 204 hours, the dense smoke was 507 minutes; that of thick, or half dense, smoke, 540; smoke visible, 183; thus showing, that during such trial the smoke was in no way

The question of the consumption of fuel under the several patents and under ordinary circumstances, is a point on which we do not propose touching on the present occasion, but which have been en tered upon at length in Mr. WEST's pamphlet, as also in our columns. With reference to Mr. C. W. WILLIAMS's patent, we have to direct attention to the latter of Mr. J. A. EMBLIE, C.E., who has, in common with ourselves, had an opportunity of inspecting it. We regret that his exposition is not more perfect, and that time did not allow him to enter more minutely into the merits of the invention, inasmuch that his letter is merely but a repetition of those observations which have already appeared in the Journal; however, additional evidence from one who is, we believe, well able to form a correct judgment, must be considered as acceptable to the patentee, while it cannot be considered otherwise than satisfactory to the community at large, who are so much interested in the question.

We now arrive at the patent lately secured by Messrs. KYMER and LEIGHTON, and, in directing attention thereto, we have to refer to the correspondence of to-day, by which it will be apparent the important saving which its application will afford. According to the letter of Mr. KYMES (one of the patentees), we find that the consumption of fuel is reduced in the proportion of five to three, while another correspondent informs us that anthracite can be delivered in London at 15s. 6d. per ton. We do not, however, believe that such can be the case, but assuming that even 18s. would be an equitable figure, the saving in quantity would be a great con sideration to the consumer, while the absence of smoke is a desideratum on the part of the public.

It is not our province to uphold the patent of any one party, or to deery the inventions of others-and thus are we content with placing before our readers their several claims; at the same time we should not but advert to the assumed right of Mr. Joseph WILLIAMS, of Liverpool, who, availing himself of the cognomen of Mr. (CHARLES WYE) WILLIAMS, his brother townsman, has, to a certain extent, imposed on the public a patent, to which, we believe, he has no direct claim or interest.

The increase of correspondence of late precludes us from entering upon the subject so fully as we should desire; but, having the several patents before us, as also others, which have for their obcet the economy of fuel and consumption of smoke, we purpose again reverting to the subject on an early occasion, and in the meantime shall feel obliged by any communications tending to elucidate the matter in question.

It is now some weeks since we directed attention to the formation of a society having for its object the mutual protection of the interests of patentees, which, we are glad to find, has already made some progress in its objects, and may be expected to come before the public in a tangible shape ere many days elapse. We have before us the minutes of proceedings entered into at a meeting lately held, when the basis of the institution was determined upon, and a subcommittee formed to carry out the measure; but we feel it would be premature to make more than a passing remark on the present occasion. The case of the Househill Coal and Iron Company, reported in our late Numbers, is sufficient in itself to illustrate the ralue and importance of a society of this nature, having for its oblect the protection of patents; at the same time that, aided by legal advice and experience on the part of the council, in intricate cases connected with the law of patents, it is only natural to presume that much expense will be saved and litigation avoided.

# RAILWAY STATISTICS.

ment (taken from Mr. T. Allsop's last elecular) show, the cost of construction, cost of working, and the receipts per mile, on seven of the principal lines; together with the receipts for the last week, se compared with the corresponding period of last year. These figures are taken from the accounts last rendered by the respective companies, and, as they are not made up on common principles, offer but incomplete data apon which to estimate the value of the respective lines, which value can only even be approximated by inquiry, research, and by accurate comparison and analogy :-

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London and Directagha Manufacular and London Longities and Displaces (Orosi Wushern Scottle Watern Storth Watern

New Acts or Sentrava,—At the sitting of the Academy of Sciences, on the Lith ultimes, M. Peissan cond a report of the discovery of a new acid of suphers, resembly make by Messen. Forder and finite. The expectments performed by these greatment have been expected by the commission of the academy appointed to capacit upon the discovery, and the same seasol's have been channel, barring the doubt, from the tests applied to them, of the existence of this sold in the compressed indicated by thou. The section of the experiment combinations of supher, is which sulphyposallyhoote acid, was added by M. Langlein, about two years age, has received the addition of a new soid; these, consequently, making the number of its consequently ain. or Scarnen,-At the sitting of the Arabany of Sciences,

#### THE MEXICAN PROCESS OF AMALGAMATION.

Mr. Phillips, the secretary of the Real del Moute Mining Company, ed who has lately returned from Mexico, delivered a lecture at the Western Literary and Scientific Institution on Thursday, the 30th ult., on the present mode of amalgamation adopted in the Mexican silver mines. The cturer stated that he was induced to come forward on the present occasion, from having understood that the institution was in a depres and he thought, by lending a helping hand, he might do something for the general good. From the nature of the subject, it would be a mere outline of the general processes, and he must trust to the indulgence of his audience while he would endeavour to render the subject as clear as possible. prefaced his lecture with a slight review of the history of the country, from its discovery by Columbus in 1481, the treatment of the natives at the hands of the invaders, and the physical and moral effect such treatment had prosed on the national character. He observed that the grandeur of Nature in Central America was unsurpassed by any other country in the world; the height and extent of mountains—the gigantic vegetation noble rivers and lakes, which might, with propriety, be called inland seas—all tended to inspire the most sublime ideas on first traversing this interesting country. We have only space just to notice the various points on which the lecturer touched—the geographical position of the mines, the nature, size, run, and quality of the veins, and the matrices, the general manner of working the mines, drainage, &c. He remarked on the magnitude of some of the establishments called " haciendas," one of which, at Fresnills, was 451 yards long by 378 in breadth, and then came to the process of amalgamation, which, though it has been in use for the long period of 285 years, has received but little improvement, though many scientific men have turned their attention to the subject, and it would appear that this mode of obtaining the silver from the ores is inseparable

appear that this mode of obtaining the silver from the ores is inseparable from a great loss of quickailver.

The lecturer alluded to the attempts of M. Becquerel to extract the metal from the ore by galvanism, and said, if any new process was brought into operation, it would be by the powerful agency of electricity. After the ores which are too poor to smelt are broken small at the stamps, they are taken to the arrastre, and ground to a fine powder; this powder is then mixed with water into a thick paste; it is then taken to the amalgamation floor, called "torta"—and some of the haciendas are sufficiently large to have nine or ten of these tortas, of sixty tons, spread in them, to a diameter of forty to fifty feet each, and about one foot deep. A quantity of common sait, in the proportion of 50 lbs. to the ton of ore, is then spread uniformly over the mass, and trodden in by mules, until the whole is well worked; they are then left undisturbed for a few days. A quantity of magistral (sulphate of copper and iron), 25 lbs. to the ton of ore, is then well worked up with the mixture; a chemical action immediately commences, and it is at this point of the process that the experience of the overlooker is required. If there is not sufficient heat, more magistral is added; if too much, quick lime is strewn over, to neutralise the too great overlooker is required. If there is not sufficient heat, more magistral is added; if too much, quick lime is strewn over, to neutralise the too great effect of the acids. When in a proper state, the quicksilver (at the rate of 3 lbs. for every estimated § lb. of pure silver) is poured over the torta, through linen cloths, in the form of rain; it is well trodden together by through linen cloths, in the form of rain; it is well trodden together by the mules, and generally takes from fifteen to thirty days—according to the weather, before it is ready for the washing tanks, here it is continually trodden by men, a stream of water running through, until all the alime is carried off, and the clear liquid amalgam remains behind. This amalgam is then pressed in linen bags to get rid of the uncombined quick-silver, and the remainder pressed into moulds, and formed into a wedge-shaped brick; the bricks are then built in a circular pile, with a hole in the centre, over which a bell-shaped copper vessel is placed, and charcoal fire being lit around it, the quicksilver in the bricks is volatalised, and, condensing, falls into a tank below, leaving the aliver pure. The lecture was numerously and respectably attended, and listened to with much attention, and the models, specimens, &c., with which it was illustrated, gave great satisfaction.

ON THE PROGRESS AND PRESENT CONDITION OF GROLOGY IN THE UNITED STATES.—As a proof of the little that was known respecting geology in the United States, in 1806, Professor Stillians stated that the most common minerals were then known to but few; that most of the rocks were without a same, except as far as they were quarried for economical purposes; and that the classification of strata was quite unknown. But it is sufficiently apparent, from the numerous societies, and works and papers that have appeared within the last twenty-five or thirty years, that geology has now become a favoratic purvuit; and, during the past fifteen or twenty years, many of the local governments of the different states have caused to be instituted geological surveys of their respective territories—all of them appropriating public money to the great object in view. State collections, flustrating the geology and mineralogy, and, in some instances, the zoology and bottany, of their several previnces, are also formed and forming in the respective local enpitals. In the neighbouring countries of Nova Scotis, New Brunswick, and Canada, explorations have been for some years in progress; and, in many parts, great treasures, of onl, grit-anadytone, iron ore, and plaster of Paris, have been found. The results obtained in the United States for secionific geology have been highly astisfactory, as is evident on inspecting the various reports of the state geologists, Nr.

Elevation and Subsubsidence of the Earth's Strata.—In the course

ELEVATION AND SUBSIDENCE OF THE KANTH'S STRATA.—In the course of Mr. Lyell's interesting lectures on grology, at the Marylebone Institution, he adverted to the principle of clevation and subsidence of the strate of the earth, illustrating that principle by a lucid and scientific history of the man-ner in which coral roofs were raised in the Pacific Ocean, of the nature of the ner in which coral roefs were raised in the Pacific Ocean, of the nature of the succeptyte, or animal plant, which deposited the roral matter, and of the general striking features of the geological phenomena to which they gave rise. One amongst the interesting facts mentioned by the learned lecturer was, that those coral reefs increased in proportion to the visitence of the breakers of the sea upon them, a violence which acither fliet, quartin, or granife could withstand. Those reefs were reared up by their survinds of little living inhabitants, which were constantly employed in the work of reconstructing and improving their dwellings. In describing the atolic, or ring, shaped reefs, with their lagonous (whose vivid and emerald waters presented a heautiful contrast with the deep blue of the surrounding ocean), the lecturer mentioned that in the varied columned fishes of these lagonous was bound digested coral, which, when dried, was necertained to approach very nearly in its chemical qualities to the chalk of the Berunda Islands and other parts of the world.

BASTIAN WAYER AND CROCK MAKERS' COMPANY.—A commany has

Barrian Waves and Caocx Maxima' Courany.—A company has been for some time in course of formation for the purpose of manufacturing all the various portions of watches and clocks by machinery, and which has nest with severe opposition from the trade in general. In the House of Com-mona, last night, on the order of the day being read for the second reading of the Beltish Watch and Clock Makers' Company's Bill, Mr. Ellies presented a petition from Coventry, signed by 900 names, against the bill, praying the house not to create a new monopoly; and stating that the investion, which had been taken up by the promoters of the company, had been twine tried in Fynace, and signolly failed, although the trials had been under the most dis-tinguished pateronage.—Mr. T. Dancomba also presented a petition, with a severy to the cause effort, which had been agreed to at a mostling held at the BRITISH WATCH AND CLOCK MAKERS' COMPANY,-A company has had been taken up by the promoters of the company, had been twice tried in France, and signolly failed, although the trials had been under the most distinguished patronage,—Mr. T. Duncombe also prevented a petition, with a penyer to the came effect, which had been agreed in at a moreting held at the Crown and Anchor Tavoru, on the 19th nit.—Mr. Ward, who introduced the hill, and moved the order of the day for the across reading, defended himself from any personal interests in the offair; but controded that every branch of the watch trade in Engineed was in a most depressed state, and that this company, instead of doing injury, would enable the monufacturers here in company, instead of doing injury, would enable the monufacturers here in company, the further stated that two sais of the machinery could do the work of 200 men.—Mr. T. Duncombe assumed the house that the opposition of his constitution of the state from factions feelings. They were not in the least afraid of its affecting their trade; but they wished to show to the world that, of all humbings this mas the greatest. He then went through a history of the company, from the invaling of the prospectus, in Oppositer less! and said that are not as assent time that they also the mention.—Mr. Gindetrue supported the hill.—After observations from several members, the boars divided, when the bill was thrown out by a majority of 77, in a house of 250.

Grun. EVER FROMES.—A flux specimes of what the geneingion term the Pleasureman Macromophalies has pecentily been from the instruments at Secretary as long as the body, while that of the leathty-measures in the source of the hind that has been found in that one lay the that of the leathty-measures in process of the faint that is no been to be a singular as it is necessarily that the two days are of the faint that is not been the found in that one way long the corriens have already point him as visit to believe to see and a very long tail. It may justily be normed the hings of Mr. Lor's collection, and many of the c

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#### ORIGINAL CORRESPONDENCE.

MR. CHARLES WYE WILLIAMS'S PATENT ARGAND FURNACE. TO THE EDITOR OF THE MINING JOURNAL.

SIR.—On the occasion of a recent visit to Liverpool, I was favoured by Mr. Chas. Wye Williams with an inspection of his patent argand furnace, in operation—experimental furnaces of the most complete nature, showing the applicability of his principles of combustion to merine, as well as to land, furnaces, being fitted up in premises adjoining the Clareace Dock.

The fires were but newly lighted when I arrived; but not the alightest appearance of smoke was to be observed issuing from the chimnies; the combustion of the fuel was then proceeding in accordance with Mr. Williams's patent. The furnaces are fitted up with sight holes in several portions of the flues, and never was a plan devised of so much simplicity for observing, with accuracy, the process of combustion under all circumstances. The chemical properties of fuel devolved are easily observable, with attention; and, in fact, roads to the highest philosophical reasoning, and most interesting course of study and anusement, are opened out by the mere addition of these holes, so scientifically affixed by Mr. C. W. Williams to his furnaces.

observing, with accuracy, toe process of seel devolved are easily observable, with attention; and, in fact, roads to the highest philosophical reasoning, and most interesting course of study and amusement, are opened out by the mere addition of these boles, so scientifically affaced by Mr. C. W. Willhams to his furnaces.

The experimental furnaces of Mr. Charles Wye Williams (as most of your readers, I dare say, are aware) are likewise fitted up with the pyrometer of Mr. C. Houldworth's invention. Its indications of charge of temperature in the flares, and, consequently, of the degree of evaporation going oo, are instantaneous; no surer index of the quality of a fuel, or of the acrellmence, or otherwise, of the construction of a furnace, could be desired. Simplicity and efficiency are its attributes.

It may be observed, that the farances are made to resolve themselves into the common principle of construction, by the mere cloving of the aperture leading to the perforated plate, situated behind the bridge. I have previously said, that, on my arrival at the works, the chinnics were entirely without smoke, and that the patent process of Mr. Williams was then in operation. The index of the pyrometer was high and steady, and the appearance of the flame very long and beautifully transparent. The door leading to the patent apparatus was then closed, and instantly a dense mass of smoke was evolved, and the whole way along the flare, back to the bridge, was darkened, exhibiting, in parts only, the appearance of flame, and that of a dark crimson gold-like colour. The index of the pyrometer fell back many degrees; and the water exporated was considerably diminished. The door of the apparatus leading to the patent apparatus being opened, the moke left the chinney, like the puff of eight such and the such as a such a

ANTHRACITE \*. BITUMINOUS COAL-KYMER'S PATENT.

ANTHRACITE c. BITUMINOUS COAL—KYMER'S PATENT. TO THE EDITOR OF THE MINING FOURNAL.

Sin,—In reply to your correspondent, "A Manufacturer," whose letter appears in list week's Journal, I beg again to refer him, in the first instance, to the statements which have already appeared in your colomns (see Mining Journal, March 4, 1843). Auxious as I am to give the desired results, I am not yet prepared with such a statement, because, in the establishment where my furnace is in operation, there are several boilers, and the quantity of coal which each one requires separately has never hitherto been correctly determined. The engineer thinks, according to the best of his judgment, that the boiler I am now working consumed half a ton of bituminous coal per day, whereas now only 6 cwt, is used. I trust I shall very shortly have all the boilers on the establishment working with my furnaces, when I shall be gled to give the results to the public, through the medium of your excellent Journal. In the meantime, I have no best-tation in stating my conviction, that the saving is in the proportion of three to five—via., that three tons of anthracite, with my patent, will do the duty of five tons of ordinary coal in a summon furnace. the duty of five tons of ordinary coal in a common furna-

the duty of five tons of ordinary coal in a common farmace,

London, March 31.

(On subject of this patent, we have to direct attention to other letters in
our columns of to-day, one of which has reference to the cost of anthracite
delivered in London, from which it would appear, taken is conjunction with
the representation of Mr. Kymer, that there home of anthracite, such as he
describes, might be delivered in London for 46s. 6d., which, in the proportion
as three of authracite is to five of ordinary sond, would give a price of 9s. 3d.
per ton for the latter, on as to bring the two descriptions of fuelon an equality
as to cost. With such evidence, it is hardly necessary for us to point out the
economy attendant on the application of the patent.)

SUCCESSFUL APPLICATION OF ANTHRA LEIGHTON'S PATENT.

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SUCCESSFUL APPLICATION OF ANTHRACITE—KYMER AND LEIGHTON'S PATENT.

TO USE REFIELD OF THE MINIMO FOURNAL.

Sex.—I congretulate my brother shareholders on the cheering aspect of our affairs. The looper which we have all along cherished of seeing anthracite brought into use for einem purposes seem at length about to be realised. The reports which reach me of the success attending Kymer and Leighton's application are very satisfactory; at the same time, I am given to understand, that Leigense and Chambers's plan, which is about to be applied to one of her Majesty's steam-vessels, will quite colipse the former. What Kymer and Leighton effect by a complex application of fone and indescribable for-grates, Leigense and Chambers secondpiles simply by a jet of steam thrown into a partially discoid ash-pit, producing squal results with greater simplicity. In addition to these, Mr. Win. Long Wory has a plan, in compactions with which, he says, the others are more bagatable as plan, in compactions with which, he says, the others are more bagatable—at least so that greateness has stated to our worthy serveine. Mr. Bigg. With all, or any, of them, I hope we shall, see long, hour conventing of dividinals; and that there is a prospect of the seesiar notions being partially should. I send this to your Journal, Mr. Edine, because you here thanks. Lendon, March 27.

A Laareary Rature x Suarencessa.

[We should find shiged by our correspondent faculating us with further particulars as requels Lejeuse and Chambers's plan, as also that of Mr. W. L. Weeg. Should the little greatieness think proper to transact to as his plan, we shall be happy to give it yubicatiy through our solumes.)

ECONOMY IN THE USE OF ANTHRACITE COAL.

ECONOMY IN THE USE OF ANTHRACITE COAL.

Sin,—In the London Coal Market list of prices, for the past week (as per Mining Journal of the 25th inst., now before me), I notice Garmant stone-coal quoted at 22s. per ton. In the same paper there appears a letter, signed "A Manufacturer," dated Union-street, Borough, making some inquiries as to economy in the use of anthracite, compared with bituminous, coal. The writer expresses hisself as being satisfied there must be economy in the case of the former, but wishes to have some accurate data. He concludes by stating his opiniou, that a description of anthracite, mixed with rubble, suitable for Kymer and Leighton's farmace, which he had been to see in operation, might be delivered in London, at 22s. to 23s. per ton. For the information of "A Manufacturer," I beg to direct his attention to the price of Garmant stone-coal, the finest description of anthracite up this valley. That sent to London is always the finest hand-picked coal. With the exception of one colliery at present working, it is subject to the highest rates for railway dues up this line.

I presume the coal to which "A Manufacturer " alludes would be Mr. Kymer's own coal, from Pantyfynnon Colliery (a mixed coal; in fact, what we here term coim). If so, I think Mr. Kymer should be satisfied with a price fally 5s. per ton under that of Garmant coal; but I am much afraid that that gentleman is aiming at turning, to account a valuable invention for securing to himself a monopoly in the sale of coal. I have seen Mr. Leighton's plan of burning culm in operation frequently; and, being a shipper of culm, I should be glad to contract for the delivery of several thousands of tons, at Llanelly New Dock, at 7s. 6d. per ton, of an article well adapted to the purpose. This, with a freight of 8s. per ton (an ample freight, as times go) gives 15s. 6d. in the Port of London.

Mr. Kymer should reflect that, with the various ingenious contrivances now before the public, for the prevention of smoke from bituminous coal, somethi

fair chance, if not marrow.

A DHIFFEN or sufficient.

Crem Assumen, Merch 28.

[We are obliged to our correspondent for his communication, which only affords additional evidence of the importance to be attached to the patent, as being calculated to effect a considerable saving in cost of fuel. We are not aware at what rate Mr. Kymer proposes to deliver his coal, but presume that parties having made terms for the use of the patent, will go to the best market, without reference to the patentee's interests, who will look to remuneration from the use of his patent, the vend of his coal being a secondary consideration, more especially as the patent is held by Messre, Kymer and Leighton, whereas the Pantyfynnon Colliery, if we mistake not, is the property of Mr. Kymer alone.]

HOT. BLAST—NEILSON'S PATENT.

PATENT.

HOT.BLAST—NEILSON'S PATENT.

TO THE EDITOR OF THE MINING JOURNAL.

SIR,—Without professing to retain in my mind a recollection of much more of the law proceedings, in the case of Naison's celebrated patent, than is reported in your three last Journals. I may beg to observe that the reasons recently adduced by the House of Lords (as represented by three law peers) for allowing "the eleventh exception" was founded on the fact of the Bradley Iron-Works having, at some comparatively distant period, put up an apparatus which they designed to carry a hot-biast to their fornaces, but of which, after a time, they discontinued the use. Hence it is clear, as the sun at noon-day, that the thing did not succeed; for, being successful, it would have become very profitable; and, being profitable, it would not have been discontinued. At what conclusion, then, are we authorised to arrive? Clearly at this—that no bond fide practical trial whatever was accomplished, and that the affair went no further than an ATTEMPT.

profitable, it would not have been discontinued. At what conclusion, then, are we authorised to arrive? Clearly at this—that no bond fife practical trial whatever was accomplished, and that the affair went no further than an ATEMPT.

What are failures, attempts, or paralysed trials—call the things by which name you will? What are they, but the very circumstances which tend most to discourage the inventive genius of the country, and to arrest in the prosecution of their arduous researches those men who, with the aid of their contriving minds, might otherwise have deserved well of the community at large. When an inventor, then, with such discouragement before him (if he knew of its once existing) accomplishes any great incommunity at large. When an inventor, then, with such discouragement before him (if he knew of its once existing) accomplishes any great incommunity at large. When an inventor, then, with such discouragement before him (if he knew of its once existing) accomplishes any great incommunity at large. When an inventor, then, with such discouragement before him (if he knew of its once existing) accomplishes any great incommunity to make the substance; they are unsubstantial shades, casting their dim distorted outlines before the coming events of science, and have nothing to do with the reality itself.

As regards the attempt at the liradley fron-Works, it can only be said of it, as might be said on many other occasions, that the egg was laid, but never hatched—that is, that it was an addied egg. To superficial observers such an egg may look just as good as another; but the best thing about it is the mere shell.

It is prears to me that sounder sense could not have been conveyed, and more consistent with the spirit of the present patent law, as respects Neilson's case, than that which was delivered in the Scotch courts. Whether it was clothed in the best and most perspicuous inaguage is another question—and language to often carries the day against sense, for outside now seems to be everything; even tai

SOUTHAMPTON DOCKS.

FO THE ENTOR OF VIE MINING JOURNAL.

FO THE ENTOR OF VIE MINING JOURNAL.

Sta.—I have looked to the "circular letter" from the directors of this company to the proprietary, hearing date 15th April, 1842, to which your paper of last Saturday called attention. After a careful perman of the same, I do not see how the directors can reconcile, with "justice," the permitting the few (principally themselves and friends, to obtain the immense advantages over the other shareholders, which the having taken these debentures will, if their bill passes, give them. The offer aliaded to above, states that the same was "entipet to Parliamentary sanction, was filegal!! You will observe, the offer made to each shareholder was, that he should take a certain number of debenture notes, subject to a return of more than 5 per cent., on security arising out of lands and tenescents. Now, when the usery laws were repeated by the Act 2d and 3d Victoria, chap. 37, cases in which the security arose from lands and tenescents were specially excepted, therefore, no proprietar evold, in April Inst. (apath) he called upon to decide whether he would accept the decisate to re-noit (for each was the alternative) his other property in the docks to be

ON BLAST FURNACE MANAGEMENT.

ON BLAST FURNACE MANAGEMENT.

TO THE ABITOR OF THE MINIMO JOURNAL.

SER,—I am one (doubtless, of many) of your readers who has derived great pleasure and edification from the letters of Mr. Rogers, on blast furnace management. In his last paper, "On the Blast," given in you Journal of the 18th instant, he remarks, "The imputed rottenness, or weakness, of hot-blast iron, arises from a cause perfectly distinct from the of the air being heated to any specific temperature, as may be readily amplainly shown, were it not for prolonging these letters to an unnecessary and inconvenient length." Such a showing, by Mr. Regers, I am quits sare, would contribute very much to the gratification of, a large body of your readers; and must tend infinitely more to the clucidation of the question of the comparative merits of hot and cold-blast iron, than the angry letters which have occupied (wasted?) so large a portion of your columns for some time past. I hope, therefore, that Mr. Rogers, to whom we are all so much indebted, will add further to the obligation, by explaining the cause of "the imputed rottenness, or weakness, of hot-blast iron."

March 25.

A Subscrimer from your First Numbers.

We doubt not but that Mr. Rogers, who is so well able to afford the desired information, will accede to the wish of our correspondent, who is not singular in his desire to acquire the information sought.)

BOTALLACK MINE.

TO THE EDITOR OF THE MINING JOVANAL.

SIR,—I perceive in your paper of the 25th inst., a letter, signed "A Mine Adventurer," on which the Editor remarks that he thought it necessary to omit certain portions of the letter, as your paper, very properly, was "no puft." Now, Mr. Editor, as a pretty substantial evidence of the absence of any disposition, on the part of "A Mine Adventurer," to mislead, or in any way to overrate the appearances of that mine, he omitted to tell you that there was 700% worth of tin, belonging to that account, remaining unsold, and that the present prospects are so encouraging as to fally warrant an increased dividend; suffice to say, that the increase on the reserve stock of ores, discovered, is rapidly increasing. In conclusion, I have only to add, that the mine is most valued by those that have inspected her, who are most competent to judge.

Pearsnee, March 28.

[We are glad to hear so promising an account of this mise, but must request, in all future instances, that letters of this nature should have the signature of the writer appeaded thereto, upon insertion being given to them in our columns.]

CORNISH MINES-TINCROFT AND WEST WHEAL JEWEL

our columns.]

CORNISH MINES—TINCROFT AND WEST WHEAL JEWEL.

TO THE REPTOR OF THE MINIMO JOURNAL.

Sin.—As a sincere well-wisher to your Journal, and the cause which it advocates, I have read with some surprise the letter signed "A Lover of Pair-Play," in your last week's Number. To those acquainted with the mines in question, the object of your correspondent is plainly apparent; and, from the editerial note affixed, one would imagine that you half suspected the animus of the writer. The insertion of the letter, therefore, cannot but be viewed with regret, especially as many parties refer to your Journal for authentic information, and for facts, and might, from false representations, become frightened, and sacrifice their property. I do not enter the lists against your correspondent, as an advocate for jobbing, for that is as such my abhorrence as it can be his, but I would, with your permission, ask him a plain question. He states Thorord is "barely capable of making a profit of 1t, per share per annum;" how is it, then, that the mine has already divided that profit in less than six months? Again, he says. Cornistmen have taken advantage of the high price of shares, and "sold their interest to a men;" if by this somewhat ambiguous language he means to assert all the Cornish advanturers have sold their shares, he states that which is untrue; and those parties who have sold, would, I have no doubt, he glad to repurchase at a low price, if this letter of this passudo lover of fair-play could accomplish it for them. As to West Wheal Jewel, your correspondent exultingly asks—" Where are the dividends?" the answer is, discovered, and in the mine, which does not require paffing; for, even at the present high price, there is not a share to be had in the market; upwards of 2000 shares are held by parties residing near the mine, and they are still purchasing. Those plain facts need no comments of mine.

\*\*London\*\*, March 28\*\*.

\*\*London\*\*, March 28\*\*.

\*\*London\*\*, March 28\*\*.

\*\*London\*\*, March 28\*\*. nents of mine. indos, March 28.

London, March 28.

[We are, by no means, the advocates of any particular interest in mining operations, and should be sorry that the introduction of any letters in one columns, or the remarks appended thereto, should have the effect of prejudicing the mine itself, or be, in the slightest degree, calculated to mislead the capitalist or sharsholder. It is our object, at all times, to avoid "paffing," or to join in any outers which may be raised for interested purposes. "A Lover of Honest Play" may have his object to serve, as well as "A Lover of Fair-Play," while it will be our endeavour to avoid playing the game of the one or other.]

CORNISH MINES—TINCROFT AND WEST WHEAL JEWEL.

TO THE EDITOR OF THE MINING JOURNAL.

Sin.—I noticed the letter of your Camborne correspondent, in your last, and it is evident that he knows very little about the two mines he refers to, for (by his own showing) they assimilate in no respect. He complains that "jobbing" in London, by "brokers and scretaries," have run the abares up to three times their true value (How can be tell that?)—that, as regards "Tincroft," "the holders of shares in this county have sold their interest to a man." This, however, is not the case in "West Wheal Jewel;" for it is a fact, "that the holders of shares in this county' have purchased, within the last few weeks, 200, and now hold one-third of the concern, nor is this to be wondered ut, when the present prospects are taken into calculation. The new hode (see report) is expected to be out in the seventy within a month, shortly after which "Jewel louis" will be cut in the eighty-five. This, with the locality of the concern, adjoining to Wheal Jewel on the west, and Wheal Dannel on the north—which two concerns slowe yielded a provide, mostly shared by Cornish adventurers, equal to three-quarters of a million sterling—what the shares, therefore, are now worth, or what they may ultimately yield, in more than the Camberne prophet can guess at. In conclusion, I beg to add, that Wheal Jewel, in two years, mode dividends to a larger amount than the whole pregent value of West Wheal Jewel in the jubbing London share market.

St. Day, March 28.

We must decline giving (carriion to any further envrespondence touching

present value of West Wheat Junes in A. Jawannan.

St. Day, Morch 28.

(We must decline giving insertion to any further correspondence tracking the prospects or value of any particular mine, without the authority of the writer to append his name. "A Jeweller" should know it is not all guid that glitters, not there is such a thing as times, which is calculated to decaire those who are not professed junctions.]

same, I do not see how the directors can reconcile, with "justice," the permitting the few (principally themselves and fireful) to obtain the insumes advantages ever the other shareholders, which the horing taken those debanters will, their bill passes, give them. The offer alluded to above, states that the same was "subject to Farliancentary sametion."

Now, surely, Parliancent will not allow any person to be impred, because he declined an offer which, whiled it wasted Parliancentary sametion, was illigad?? You will observe, the offer made to each shareholder was, that a hould that an certain number of debanters notes, subject to a return of more than 5 per cent., on security arising out of lisads and tenseants. Now, when the early laws were repealed by the Azl 2 and 2d Victoria, chap. 37, cases in which the sacreity areas from leads and tenseants. Now, when the early laws were repealed by the Azl 2 and 2d Victoria, chap. 37, cases in which the sacreity areas from leads and tenseants. Now, when the early the control of the same were repeated by the same very ground laws the opinion of an entity of the same of the sa

rered, and that, too, on one lode— s, we have another lode, called the

ov,000. worth of one have been discovered, and that, too, on one indevise, Wheal Jewel Inde; besides which, we have another lode, called the "New lode," which, Captain Vivian says, is likely to be productive of sweek copper over, at deeper levels. (This has not been seen deeper than the fifty-seven (athom level.) Thus mean for our prespects.

"Fair Play" asks, "Where are the dividends? "I would point to the 50,000." in reserve, and not yet taken away, as quite astisfactory to every one who has an interest in this wines, and who, like no yealf, parachased for inventment, and not for gambling; further, I think "Fair Play" will find but few shares have changed hands, tempting as he considers the price to be, either in Corowail or London—our Cornish friends, holding half the shares, being quite as capable of ascertaining the value of their property as most people. If the real truth were known, I suspect "Fair Play" would like to see the shares at about the figure be mentions thinking they would pay for baying. For one, I should have no objection, as I should like to add fifty more to these I aiready possess; but let it be done by "fair play," and not by cunning.

[The remarks we have made on the latters of other correspondents, will qualify apply in this case; and we have only to repeat, that we must decline assetting communications of this nature, quiew they contain some new faits, had are not grounded assety on opinions. In all cases the letters can't have he signatures of the writers subscribed.]

VENTILATION OF MINES.

VENTILATION OF MINES.

TO THE ENTON OF THE MINIO JOURNAL.

Sex.—Speculative inquiries into geoingical and other matters, in relation to the peak, as the fruitful womb of the present, so far as they may emake us to inok into the dim distance of the coming future, and to calculate and provide for possible and probable effects of known causes, may not be inoutie, though the causes under consideration may be very remote from their effects. In this respect, we, the posterity of the dead, are, doubties, under infinite obligations to the spirits that have passed away, but it must not be frequiten, that, in serving the present generation, by a pseudiar attention to the utilities of life, the spirit born to think, as well as the body horn to labour, may bequesth inestimable boons to posterity. To presente the health and the iongevity of man were worthy the ambition of any journalist who, like yourself, a philosopher, aspires to the high character of a philanthropist. As was observed by the writer some time since, in a paper prepared for the Cornwall Polytachnic Society, "air is the element in which 'we live, and move, and have our being, !" its abundance all round the surface of this ball renders it easily accessible by the poor as well as by the rick; and, surely, the working mines is satisfied, whilst underground, to a breath or two! Salf-interest is the most power-ful motive to which we can appead, but it has a frightful obliquity of vision, and a mast abequirable short-eightedness, which, to itself, to worse than a aquint. Give breath to your labourers, if ye want to have your work done. An intelligent Peasance correspondent says, that "the minus of Cornwall are the best ventilated wince in the world," but that does not prove that the ventilation have may not be infinitely better. He has, no doubt, heavel of beds of languiching, pulmonary consumptions, and some of them of an horaditory kind. But why sink a short for ventilation prove that the centilation here may not be infinitely better. He has, no doubt, heard of brds of barguiching, pulmonary consumptions, and some of them of an hereditry kind. But why sink a shaft for centilation merely, whilst gases can be distributed over the surface. Anything can be done to taint the stancephore, but simons every plan is "impracticable," if the idea of supplying pure air be contained in it!! Quantity and quality (with distribution or circulation) are the desiderate. If foul air be drawn from the most remote parts of the wine, there will be a supply by atmospheric pressure, even to the deadly levels, into which rose out, to lately as a fortuight since, in Cornwall, before the miners awound. It appears that two different modes of ventilation should be adopted, one for metallic mines, and another for coal mines; and it is, therefore, with all due submission, suggested that two acts of discussions alone it be carried. metalic mines, and another for coal mines; and it is, therefore, with all due submission, suggested that two sets of discussions should be carried on. If one relatively economical system applicable to both sorts of mines can be found, all the better. One thing is quite certain, that men are now neither living the life nor dying the death of Nature, aspecially whilst experiments are being made on free men, to ascertain how much work they will consent, or can be corread, to do, without submitting to be starved to death, whilst considered to be but little better than back horses; 

Pensence, March 23.

Aspan T. J. Manne.

Pengamer, March 23.

ALPAD T. J. March.

MINERAL VEINS—VENTILATION OF MINER—DAYY LAMP, he.
To the action of the missing format.

Sta.—For the last time I beg issue to norwer " J. S. D.," of Oxford.

He galings ever Mr. Thompson and myself at a rattling pane; but, stop.

Mr. J. S. D., we cannot allow cursolves to be risblen down in that wholesals way. He says, bread was asked for, and a stone given; I asked him for facts—the gave us his 100 times refuted momence; I have never hister that he did not present scientific knowledge, but I now appost to the public to any, if he, in this scientific knowledge, but I now appost to the public to any, if he, in this scientific knowledge, but I now appost to the public to ask, if he, in this scientific knowledge, but I now acts in the Blackaron hills; we have had thom there, and they began by moving them from their places, and I will tell " J. S. D.," what one of them exid—" I will teen their places, and I will tell " J. S. D.," what one of them exid—" I will teen the places, and I will tell " J. S. D.," what one of them exid—" I will teen the place appeled down," and as lee did, and I face it will be some time before the Blackaron hills will be right and up again; there is now those hills, and I trust—incheed, I do think—that they never will be suffered to set a facet on those hills and possess.

Your correspondent, " A Warkman," has given us a sensible and very clever latter in the last Journal, which I, for one, an greatly chiliqued to him for. If he had said amouthing more—amouthing like the following reasoning — There is a duty upon coula from English parts aspected to require to set a duty upon coula from English parts aspected to ye had, and those could being landed at continental parts, a farther duty of the gain and these continents of Karepe, of 2s. per tan, and those could being landed at continents are required to constitute an assembly weak work in a subtime, and there we also being landed to the forme to a large process of the present he would not present the with the two pins down, and a convenentation from the one to the other, and the forman attended to night and one—those forescenae are apt to explain and one polymers are consistent to right the night expending a protect of protecting and the polymers are the content to rank to the same polymers are consistent or the like play one uniform as one of the lamp by analysis of the maching of the machine, maching and all results are consisted for machine the main constant in the said cross, and three are consisted for machine the main constant in the said cross, and three are constant forward as the weak all cross, and three are constant forward as the weak all cross, and three are constant forward as the weak all cross, and three are constant forward as the weak all cross, and three are constant forward as the machine are constant as a forward as the machine are constant and constant to the machine are constant as a forward as the machine a pile, and proque rough are cascind forward as the wire advances, and three rough, where presidentially, would be better ownied in the solid cred, and the strate, where presidentially, would be better ownied in the solid cred, and the strate ownied in the solid cred, and the strate attached to rough a credit accuracy of through the strate ownied. On the strate place of the solid rough, it describes already to a breaker of the solid rough credit in the solid rough in the solid rough, it describes the case of the solid rough be solidered in take place through its whole brought. If the wind rough here at the solidered in take place through its whole brought. If the wind rough here was one so do detail from the solidered in the solidered in the solidered in the solidered at the solidered produced it; has the solidered makes again again again on and always and of a fall of the superclass and these rid augmentation for the the solidered pass into the companion of solidered pass into the companion of solidered prices to the solidered and solidered prices to the solidered and solidered at the companion of the solidered at the solidered

As to the Davy Isaap, I cannot suffer Sir H. Davy to be made a uscless man to the miner; it is not so, and all the other miners' lamps spoken of —some said to be better, and some worse, than the Davy—they are all Davy's, in smother form; note of them will do without the wire gaze—therefore, they are his invention modified. It is the abuse of the Davy Isaap, not the proper use of it, that occasions explosions; the proper use of the Davy Isaap is to try the state of a mine, if it is fit to use an open candle in, which it is perfectly safe to trust to, but, when the gas fires in the lamp, go no further; it is time to altend to the air, and get it to sweep that part of the work, before any candle is taken there. In this coal-work a person regularly goes round every work place where any gas can accumulate with a Davy Isaap every morning, and informs the workness of any place unfit to take an open candle into—no one works by a Isaap, it is that which is the abuse of the Davy Isaap—viz., working by them. Thus, you see, there seeds not so much said, and scientifically said; it is only to attend to the rules.—Nature has provided plenty; no need to measure it in feet and lanches—no need of blowing machines to blow the furnaces—no need of committees. If practical quiners and their employers will do their duty all unines may be comparatively safe.

Hisaneson, March 21.

ON THE ORIGIN OF MINERAL VEINS.

mines may be comparatively safe.

Bisenesses, March 21.

ON THE ORIGIN OF MINERAL VEINS.

To THE SOUTOR OF THE MINING JOURNAL.

Sin,—With your permission, I beg to remind your Oxford correspondent, "J. S. D.," that, in reading his letter, in your last Journal, I was led imperceptibly to liken him to a flying fivey serpent, whose poisonous sting generates death; yet, is spey for Mr. Deakin and myself, a place of refuge still remains, in which is safety and defence. With such a foe, we have need of being selee as well as charp, or else we shall feel he is as different to rebut as the being who roams at large, and cannot be impeded in his progress. The wisdom we require is such as he, it would seem, cannot impart, or else, clad in that only, we should not be able to put Ainsself to flight. To practical knowledge he makes no pretensions, and his theoretic seems so searly and imperfect that he destroys the very foundation he intends to lay. Public libraries and museums are established, and receive their best support from the miner and mechanic; for, often, the flimey achoolmen, whose knowledge is as transparent as the air he breathes, alts perched on high, and, for the words, would not soil his planage by association with the wading drudges of the establishments. The question, proposed in my last to him, has received an answer, that does not establish the theoretic doctrines of the achools; for, if the faults are of conference-research of the selection of faults being auterior to the strata they were made together, as Mr. Duskin asserts? but if posterior to the strata intersected by them, well, then, the doctrines of either practical via the strata intersected by them, well, then, the doctrines of either practical or theoretic geology. As to the extent of my practical knowledge from the buttle stray with such airy men as "J. S. D." This subject seems now nearly out, unless fresh light can be thrown on it. We see, to a certain extent, the doctrines of geology, as taught in the schools, is worthy of reception, and ear

GEOLOGY-NEW SYSTEM OF PHILOSOPHY.

GEOLOGY—NEW SYSTEM OF PHILOSOPHY.

TO THE EDITOR OF THE MINING JOURNAL.

But,—The natural philosopher, when he takes upon himself the task of instructing others, cannot be too guarded in his choice of words, for language is but an imperfact medium of expression, and, in common with all things cise, becomes corrupt by long and extensive unage; or, like a thread-have garment, becomes an patched by the changing hand of time, as to render it difficult to distinguish the original pattern.

The word canara; French, canan; Italian, canans; Spanish, cana, Lalin, canans.—On the authority of the learned, to create is to cause to exist, to produce, to beget, to invest with a new character or title, to give

The word on arts | French, carma | Indian, carman | Spanish, catan | Latin, carman | The word on arts | French, carma | Indian, carman | Spanish, catan | Latin, carman | Latin, carman | Spanish, catan | Spanish, carman | Spanish

have been made, in the nature of bush-fighting, and I fear that his present opponent, if we are to judge from his meiden effort, will have to rank in this class. It requires the cool reflective head, such as phenologists love to dwell upon, to speak of matters and things far beyond the ordinary comprehensions of men, and it is not the mere quibbler for words, or stickler for ancient usage, that can hope to win laurels from such a man; for, as Kant observes, "haman reason, ever restless, will not rest satisfaction can be obtained—that is, to their appoint where alone ultimate satisfaction can be obtained—that is, to their appoint where alone ultimate satisfaction can be obtained—that is, to their appoint where alone ultimate satisfaction can be obtained—that is, to their appoint where alone ultimate satisfaction can be obtained—that is, to their appoint the constitution of the operations of Nature, and of causes and effects, from the sanifest phenomena before them, but we, who profess to be wiser in our generation, are, with few exceptions, content to take all things upon trust. Thales, the Ionian philosopher, held the dactrine, that the ringramicerts of natural bodies, or the first substance from which all things constituting this planetary body are formed, is warsa, all things being filled with, and animated by, the active remiciple of all things—that the universe, though variable in its parts, as one wholes, is insurable. Anaxagorus introduced with this the doctrine of particles; and Ansximeness taught that AIR was invinive, but that all things produced from it were rintra—of this opinion was Diogenes. Plato defined MATER as AIR ETRANAL and INFINITE PRINCIPLE, without roam or quality, but capable of receiving all forms, and undergoing every kind of change, in which, however, it never suffers annihilation, but merely a solution of its parts, which are, in their nature, infinitely divisible, and more in partions of apace, which are, in their nature, infinitely divisible, and more in partions of paces, which are

world, to the supersition, folly, and madness of the age in warm away lived, they have built their expective theories upon the quicksands and shoals of deduction and logical demonstration.

ON CORAL REEES AND THEER ARCHITECTS.

TO THE EDITOR OF THE MINING JOURNAL.

SIR.—Mr. lick delivered two lectures on the subject of coral reefs at the Birmingham Philosophical Institution, wherein he endeavoured to show that the linestum at Dudley, Castle Hill. Wea's Neat, Hurst Hill, and Wenlock Edge, are formed by the labours of the coral insect; by your leave, Mr. Editor, I will endeavour to prove, that it is impossible it can be formed by those insects. The coral insect begins its operations at the bottom of the sea, and, probably, they labour on all sides of their structure, until it appreaches the surface of the water—at least, until to express the surface of the water—at least, until to waves of the ocean begin to effect their labour. After that they invariably work on ice side of the reef, and are protected in their work by the reef itself. The reef is raised by those wonderful insects from the bottom of the sea in one compact and solid mass of matter, not a parting of any kind, horizontal or vertical, in the whole fabric, from bottom to top; that would not do, because, if it was stratified as limestone rocks are, and formed in beds as limestone is, thicker or thinner, some of the beds one foot thick, and from that to sight or tee fest, all thicknesses, with partings of clunch, more or less, between each bed—ean it be imagined, if the earal was to raise the reefs, hodded as the limestone is, at Dudley, Wren's Neat, Hurst Hill, and Wembock Edge, one layer upon another, that it ever could resist the surges and driving hillows of the ocean? Would not the very first gale of wind overturn such a building—at least, the upper courses, such as a limestone rock is made up with, entrely of stratified beds. If the coral could place them in beds, the billows would overturn them—the building would not leave his would not tops. Whe

THE LIFE-BOAT,

TO THE MOTOR OF THE MINING JOURNAL.

Non.—The chief, if not the only exential, elements that have been supposed, connected with the problem of a "life-boat," are simply theastern and apscific gravity. By the one its upright position should be recovered, when overwhelmed by the waves; this has to do with peculiarity of structure. The other is connected with flustage, even when the life-boat is supplied with more than its moreoverly complement of mon—that is, not merely the crew requisits for management, but the persons saved from the shipwrecked vessel; and all this, into, when the life-boat is filled with water to the guarale—the last condition is secured by buoyant materials. Air-boxes, or even sir-tubes, formed of metal, however secured in the first instance, if in any way damaged, are utherly madeus, and the mariner, in such a case, trusts to a "broken read." I cannot see why there should be uply one uniform size to the life-boat. Why not also one of a large

enacticity, so as to rebound, without injury, from the rock, should such a contingency occur; a provision of spiral coils and cushions would meet this condition. The crew of the life-hoat, though they must be attached to their seats, should be enabled, by touching a spring, immediately to disentangle themselves; each should also be provided with a cark safety belt, such as that of Andrews, of Manchester, which seems extremely partable, and very simple. There should also be a supply of those for such as are saved from the wreck.

March 22.

MANUFACTURE OF BAR-IRON-LARGE CASTINGS.

March 22.

MANUFACTURE OF BAR-IRON—LARGE CASTINGS.

TO THE EDITOR OF THE MERTHER GUARDIAN.

SIR,—Being always interested in whatever may appear in your enceilest Journal anywise relating to the manufacture of bar-iron, my attention was irresistibly drawn to a portion of the correspondence in your last, bearing the unusual, though, to me, familiar, sounding cognomers of "Aa Old Roller;" and, from the morelty of which, I conclude it to be a happy omen, when the "march of intellect" has made such rapid strides into society, that "rollers," whether old or young, should lay axide the tongs and commence wickling the pen, in landing the operations of his employers. In reference to the subject, I find, on perusing it, to consist of a little envisible diference about the rolling of two bars of iron, at the respective works of Dowinis and Cyfarthfa. Now, as I am situated in a quiet spot, midway from each of those great rival establishments, with your permission. I trust I may be allowed (impartially, of course) to set the matter is its proper light, bearing in mind the motto of your paper, which "Aa Old Roller" should have done likewise—viz., "The trust against the world." Having seen both the bars in question, for the information of your readers, I will reader them a true statement of the weight, dimensions, and illustration of each :—The weight of the pile for the Dowlais har was 3180 iba., when, after being heated, hammered, and rolled, it produced a round bar of nj inches diameter, 14 feet long, and weighing, when finished, about 204 ba., with a slight curvature, thus —, it bring a stupendous mass of iron in a single bar. The weight of the pile for the Cyfarthfa bar was 2640 iba.; when, after being heated, hammered, and rolling, it produced a bar, nearly round, of 6 inches diameter, 24 feet is length, weighing, when finished, about 2190 lbs., and shaped thus report given to it by "An Old Roller." Moreover, it occupied twenty-five forge smiths, slidiging at it until Sunday morning, to bring it to a decent saleshie for

#### THE NEW AERIAL MACHINE.

THE NEW AERIAL MACHINE.

The intense curiosity which has for some months been excited in the public mind, by the announcement that the long-sought problem of the mechanical principies of flight had been solved by the discoveries and persevering experiments of Mr. Henson, is now about to be satisfied—at least, as far as a description of his invention will do so. We have been favoured with a copy of a prospectus, which was circulated, among a few influential and monied mea, in June last, for the purpose of raising the sum of 2000l., in twenty shares of 100l. each—each share to guarantee to the holder the sum of 300l. on the 1st of October, 1843, should the anticipations be realized, with the option of being a shareholder in the company to that amount, if desired. This prospectus (which was not printed, but circulated in manuscript) states, "That an invention has recently been discovered, which, if ultimately successful, will be without parallel, even in the age which introduced to the world the wonderful effects of gas and stram. The discovery is so simple in principle, yet so perfect in all the ingredients required for complete and permanent success, that to promeigate it at present would wholly defeat its development, by the immense competition which would easue, and the views of its originator be entirely frustrated. Its qualities and capabilities are so vast, that it were impossible, and even unsafe, if possible, to develope them further at present. Measures are in progress for patents for Great Britain, Ireland, Scotland, the Colonies, France, Belgium, the United States, and every other country where protection for a first discovery is granted."

It very fairly states that perfect success cannot be always depended on, and that the pian is certainly a speculation, but the experiments which had been made up to that time were so satisfactory, that failure was not feared. The projector believed this most actorishing discovery of modern times would prove the germ of a mighty work, and, in that belief, requested t

many laborious trials made, and wearisoms failures endured, before we shall see completely fulfilled that scientific prophecy of Darwin :—

Soon shall thy power, unconquered, steam afar
Drag the slow barge, or drive the rapid on;
Or on wide weeing soings, againsted bear.

The flying choried, through the fields of sir.

Man I lavestive man I ever prose to reach a new existence, has, from the earliest days of which history speaks, made attempts to imitate the feathery tribe and navigate the air, but all these attempts, even from Learus, who neared so near the sun that he melted his waxen wings, fell into the sea, and was drowned, to flying speculators of once modern times, have been confined to the means by which an individual could raise hisself in the rir, and accomplish a motion through it at will; but Mr. Henson, taking a more extended view, and considering the vast benefits which must accore to the human rase if ever the oavigation of the air is accomplished, has attempted the construction of a machine which shall carry passengers and merchandisch to almost any extend, and at a rate of transit so rapid, that, compared with it, the present velocity of the locomotive-ragine shall be insignificant. Our readers must imagine an extended plums—seventy-five first long, by thirty fact heads, made of great strength, yet light in an extraordinary degree, with uprights at proper distances, forming the points of suspension for metallic frame may be considered our of the wings, though they have no motion, but between two such frames the body of the machine, (countbing in the form of a booth containing the engine, erew, passengers, Acc., in francy state-old; to the stem of this machine is affixed a tail, fifty feet long, and as many hereof its the apparatus in its flight.

Three frames are corrected with olded slik, in such manner that it can be

other frame-work, and beneath it is the rudder, regulated from within, to puide the apparatus in its flight.

These frames are covered with olded allk, in such manner that it can be rected, or unfacted, with the greatest dispatch, as onemsion may require. It may now be supposed that this immense uncface, once aftest to the atmosphere, and kept in a horizontal position, which the weight in the centre would naturally brad to, would descreed very showly (and this principle may be noderstood by tring a small weight to an ambretia, and latting it fall from a window), but descreed it would, without some power to keep it in motion, and the more rapid the flight the more certain its power to remain suppressed. In a commarkance between the wings and tail, and on each side the stars of the

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tempt, knowing that science has counties we though Mr. Housen's invention may not at on certainly, the first really philosophical attenums, at least, by the foundation for more mathe completely carrying out the lung-desired, by "the navigation of the sir."

# THE NATURAL LAWS OF PLIGHT. BY W. H. PHILLIPS, C.R.

hitherto baffied the searching scrutiny of philosophy, but which is now discovered, and is cagrossing popular interest and inquiry. The subject is, the solution of the catural laws of flight, and their application to scrial locomotion. As the discovery is not that most their application to scrial locomotion. tion. As the discovery is one that must not be idly dealt with, I have chosen your Journal as the fittest medium to communicate such information to the tellectual and scientific members of the public.

tion. As the discovery is one that must not be idly dealt with, I have chosen your Journal as the fittest medium to communicate such information to the intellectual and scientific members of the public.

Let us reface that man, in following the ordinances of his Creator, to subdue the earth, has, by the agency of his animal inhours and apiritual intellects, obtained a wonderful overerigaty over the animate and inanimate work. Every beast of the forest, and the monsters of the ocean, dy from the pursuits of man. Rivers are diverted, and mountainous rocks are displaced, by his machinations, and he handles the very elements with a mastery that proves the dignity of his occupation of the earth. The sorth is the life exists of man—the lands and its living creatures are subservical to his uses. The sens and their inhabitants are for the use of sane, and the air, and all that pertains to the earth, is for the use of man, and all terrestrial Nature is given to him for honovarible husbandry, and also the material is we divine which Nature sust obey, or case to be, are given to man to contemplate and exercise, with the accumulated wisdom of advancing generations.

It is a strange truth, that many volumes have been written upon the functions and attributes of hirds—affer the persual of which we are still uniformed upon the true elementary theories of the phenomena. Under the delusion that birds have a power to charge their frames with a busyant gas, aromants have employed gas, or rarefied air, as indispensable essentials in scroatistion, whereas the mechanical, though antaral, action of wings is evidently the sale power by which the eagil bears the inability to the conduction of the gaster of the physical laws ordained to govern power and action. Fower is an accumulation of strength, produced by the secretion and evaporation of material. The power of stemm is dependent upon the anomal of carbon and respiration, are, nevertheless, the furance of animal energy.

The flight of birds and insects is commonly attributed, as bef

cataract, in electricity, in steam-power, the apring, the rising and the fall of a sparrow, is all consequent to combustion, or chemical evaporation of matter.

Having so far advanced reasons for attributing the phenomena of the flight of birds to the mechanical action of wings, and having established the axiom that the movement of the wings is dependent upon moscular energy, supplied from the consumption of material food, it is now proper to dissect the different limbs of the machine, in order to discover the hidden means by which, when possessed with life, it performs such weaderful evolutions. In doing this, it is necessary to examine the mechanical and physical arrangement of the frame, separate and independent of its life. It may, at first, appear strangs to omit the thought of the vital spark, by the attinction of which the movement of the whole engine is unspended; but, as an artist, is planning a new machine, sees the perfect actions of all the parts, without the vital motion really being applied, and as, in anatomical investigations of the members, so it appears by the course prescribed, without forgetting life's important value, we shall learn to avoid the errors that have so long bilinded us, one of which is ascribing mechanical actions to life, which life only directs.

From among the tribes of birds whose movements we have apportunities to witness, we will select two, closely resembling in general form, although possessing very different powers of flight—these are, the dove not the common fawt. The nantomy of the homes of the two are very similar is construction and arrangement, but atriking difference of proportion between their wings and beoless would almost, at once, lond us to conjecture, that the longer digit of the dove is principally owing to its being provided with larger wings, and we further flood the proportionate when the flood of the appearance of the second of the consultance of the prop

IVISON'S PATENT FOR PREVENTING SMOKE.

IVISON'S PATENT FOR PREVENTING SMOKE.

We extract the following paragraph from Chambers' Journal, of the 384 March:—"In our source of various plans for the prevention of smoke (No 276, February II), it appears we have not done justice to the process of Mr Ivison, which we described as apparently imperfect, in consequence of Ing volumes of back smoke being frequently seen at the Silk Pactory, Role burgh, where, we understood, it was professedly applied. We now hew that, for twelve months past, the use of the patent has been withdrawn be the patenters from the above factory, and, hence the volumes of smoke while had fallen under our notice. Such being the case, of course the patent is question most rest on its own merits, free of any disparagement from us We are further assured by Mr. William Bell, II, Queen-street, Edinburgh agent for the patentees, that the liability of derangement from the action of the furnare on the fan-like injectur of steam, will not occur where the principle is properly applied, and that six of them were used at the factory, in a furnaces, with little or no repair, for two years. A paper has been handed to us by the propristors of Ivison's patent, showing, upon sidilavie, the new parative results as to smoke, in working with five furnaces, at the factory before and after the withdrawal of the patent. We have not space to go int minute details, but quote only the following particulars:—'In seven day comprising 2130 minutes of working time, there was without the patent, 407 minutes of the patent, and smoke, 154 minutes of smoke senole, thirty minutes of half dones smoke, seventy minutes of and dones smoke, and mone in which there was without the patent, 407 minutes of dense smoke, 540 minutes when times and not at others, even with the patent was made, and mone and an action of the patent, and smoke of a mode searcely visible, and mone in which there was moke. The for a mode searcely visible, and mone in which there was not be a paper of the patent, and in devening the power of the patent,

6-66, and reducing the water to 39, as before, the result would have been 0.17.

\* Note, by the Pubeudose... The engineer at the works certifies this fact; and he also certifies, that while the mills were in full work with the patent, ten tons and a half of cosi per day worked engines of 120 horse-power, and also supplied steam both for an extensive boiling apparates requal to 26-horse-power; and also to beet the factory to so degrees. But that since the patent was withdrawn, upwards of three tons and a half of coal per day are required merely to heat the factory to only de degrees.

\* There being five furnaces in one chinney, the time certified gives less than twenty seconds of smoke, scattedy visible for each firing of each furnace. The believe are waggon-shaped—twenty feet long.

INSTITUTION OF CIVIL ENGINEERS.

MARCH 28.—The PRESIDENT is the chair.—The paper read was a report, by Mr. D. Mushet, on some experiments under at the Milton Iron. Works, Yorkshire, to ascertain the relative strength of the cost and mallashis iron produced at those works, both by the hot and the coid-blast processes. The results, which were arranged in tabular forms, showed that, although is some districts the introduction of heated air for smelling might have deteriorated the strength of the iron, yet, with minerals like those of Yorkshire and Derbyshire, it could be used with advantage, and that the quality was actually improved. The table of breaking weights, from Mr. Fairbairn's experiments on enat-iron, was given, and it appeared that the airongest quality quoted by him broke under a pressure of hallbu, whereas the Milton hat blast iron only yielded at 610 lbs. The experiments upon mallashic iron were not considered so conclusive, as the furce of the bines for breaking the bars, being meaned labour, could not be accurately increased; the impact of a weight failing from a given height would have been more satisfacture. Some operimens of wrought iron, of a peculiarly fine quality, onche from but-blast pig-iron at the Butterier Works, were exhibited, and in the discussion which ensued, it appeared to be the general opinion that the use of bot air in smelling might, with due precaution, he adopted with advantage; but that, uns fortunately, from the facility it afforded for working up refuse ores and misphywoods cond, it had been abused.

The ballot for members was announced to take place at the meeting of Tursday, April 4th, whim the fallowing papers would be read :—'On the Supply of Water to Glacquie,' by D. Markain, M. Lot. C.E.—'On the Supply of Water to Glacquie,' hy D. Markain, M. Lot. C.E.—'' On the Supply of Water to the Island of Maita,'' by W. L. Arrowemith, A.I.C.E.

Supply of Water to the Island of Malta," by W. L. Arrowamith, A.I.C.E.

MANUFACTURE OF PLAYE GLASS,—Amongst the many interesting lectures delivered at the Polytechnic Institution, there has been one on the act
of pints giass making, and the application of chemistry to the perfection of its
manufacture. A great many apleudid specimens of glass, in the various stages
of the process, supplied by the isledness and liberality of the Union Plate Glass
Company, from the extensive works at it. Helm's, in Lancashire, were exhibited, and illustrated the lecture. The subject, which, in a national and
commercial point of view, is one of very great interest, independently of its
estentific relations, was treated in a methodical and proper manner, as as to
be intelligible to the expansitions and previous knowledge of the motioner. A
history of the art, from its envised introduction—the manufacture of the pure
alkall, the importation of the white and made use of, and the progress of the
invention till its present periodicine, were all described. The meding, enting,
rolling, grinolog, polishing, and eleaving of the plates was described. Models
of the crucibles and casting puts were shown; and, in fact, nothing was until
ted by which a clear companions of the art could be conveyed, or the lecture made interesting. Dr. Kyan, who delivered the lecture, paid a well merited compilment to the Union Plate Glass Company, for their condy active
ance in furnishing the specimens, Ac., by which be ilimitated his becure.

Processa army.—Advance on, furnation I for who shall divine thy bounds,
or lond it hy progress in the discovery, we find the invention
on far matured, that every description of that can be produced, with the addition of secule background and other pictorial effects—in fact, a perfect misnical way strainer. It is but a chert time alone the world was a actombaltion of secule background and other pictorial effects—for fact, a perfect misnical way strainer. It is but a chert time of a faw accommended, with the

fally remotion, in the thirth great objection to portrait paint or long sittings. All doubts as to the encesse of the nearest of the nearest of the nearest of the nearest of Nature's work; the chances of minima he porfort reserved naturally, produced. Asother wonder in this new first faithfully transferring coupies of plans, portraits, or paint difficult or intrinsic the whilest—indeed, some of the speare really wonderful for their effect; but we not be used for the speare really wonderful for their effect; but we not be used.

down, but directed it would, without some power to keep it in motion, and the store creation in power to remain composition. It is more received the flight the store creation in power to remain composition. It is more constructed that the store of the

### CURRENT PRICES OF STOCKS AND SHARES.

STOCK EXCHANGE	, Baturday morning, Two los o'clock.
Edito Account, prif 1 New 24 per Cents. , -24 # Reduced 2 per Cents. , Reduced 2 per Cents. , Long Accounts. , Long Accounts. , Long Accounts. , Long Accounts. , Reduced 2 per Cents. , Reduced 2 per Cents. , 1644 14 Reduced 2 per Cents. , 1644 14 Reduced 2 per Cents. , 1645 14 Result. 8 per Cents. , 25 7	Dutch, 7g per Cent., 16g 4  Ditto, 5 per Cent., 16g 4  Ditto, 5 per Cent., 16g 4  Ditto, 5 per Cent., 46g 41  Ditto, 5 per Cent., 46g 41  Bassian, 5 per Cent., 115g 14  Spanish, Actives, 5 per Cent., 22g 5  Ditto, 5 per Cent., 18g 6  Chill, 6 per Cent., 19 97  Colombian, 6 per Cent., 26g 4  Mexican, 5 per Cent., 26g 41  Peru, 20 21

BANK OF ENGLAND -- Courterly Average of the Weekly Lightlities and Assets on the Yest of December, 1945, to the 19th of March, 1945, both inclusive .--

LIASILITIES.	A44471.
Deposits	Bullion 11,654,000
Downing street, March 11.	#31,551,000

The premium on gried at Paris is in per mille, which, at the English Mint price of 3d, 17s, 16dd, per musce for standard gried, gives an exchange of 2b 4d, and the exchange of Paris on London at short being 25 67s, is follows that gold in 0.78 per cant. decays in London than in Paris.

By actrices from Hamburgh the price of gold is 444s per mark, which, at the English Mint price of 2d, 17s, 19sd, per connec for standard gold, gives an exchange of 13 03, and the exchange at Hamburgh on London at short being 13 11s, it follows that gold is 0.45 per cant. dearer in London than in Hamburgh.

LAYEST PRICES OF [From our own correspondents.]

LAYEST PRICES OF [R104] STOCKS — 5 per Cent. Consects, 0014, to 9641.; 34

Brock, 10144.; disto New, (so.), 10144.; 34 per Cent. Debentures, 0044.; Bank Brock, 1624.— Brankstown, 1874.; Burlin and Drougheds, 344.—Historian Stock, 1624.—Reyal Banks, 1644.; Provincial Banks, 404.—City of Dutcin Steam Co., 1024.; dille Stock, 188., 484.—Remain Stock Company, 044.; Stocks and Iraditto, folia.—National Incorrance Company, 044., Polish and Iraditto, folia.—National Incorrance Company, 044., Polished, 744.—Mining Company of Iradiand, 124.; Wicklow Copper Mines, 124.

BULL. TRUBBER ... Bhares are more fronty offered, and slightly lower prices are enhantled to. We beg to hand you the assessed as one labest prices ... Birmingham & Berley, 414, to odd., Edinburgh and Glangow, 604, to 044, Great North of Regissed, 614, 1804 and Scriety, 274, to 844, Levelon and Scriety, 1004, Lordon and Richysland, 614, 1804 and Scriety, 274, to 844, 1804 and scriety, 274, to 844, 1804 and Scriety, 274, to 844, 1804 and Scriety, 1804, 1804 and Scriety, 1804, Manchenter and Lenda, 794, Middaed Counties, 404, Newventer and Carbine, 784, 1804 Beachern, 844, to 844, North Statemen, 1844, to 844, 1804 Searching Company, 644, to 1844, 1810 Searching Company, 644, to 1844, 1810 Searching Counties, 404, 1804, 1810 Searching Company, 644, to 1844, 1810 Searching Counties, 404, 1810, 1811 Marine Insurance, 1104.

BRISTOL, Paymay... We have had but few transactions in railways this work, and we show to day duit and inactive, at the nothering quotations :—Great Westert Railway, but, to bid.; disten, father, 1744 to bid.; Related and Glowcoster, 224. Birmingham and Glowcoster, B. to bid.; Riveningham and Glowcoster, B. to bid.; Chorteninam Union, 314, to 324, and and Glowcoster, B. to bid.; Riveningham and Glowcoster, B. to bid.; Chorteninam Union, 314, to 324, and bid.; Brighton, 344, to bid.; Restorn Counciles, 104, to big.; — Brightot Gasten, 344, to bid.; Chiffen, 344, to 234.

Company, \$244. to http:// Chillon. 244. to 234.

NEWCASTLE, Tavasas v.—There has been but little business transacted in our share market during the week, and prices are senerally so firm. We hand you the believing as the prices quoted here.—North of England Joint. Block Bank, 46.; Marthembersham and Duriness District, 54., Newcastle. Shrieds, and Sunderland. 24. Duriness District, 54., Newcastle Commercial, 54., England Joint. Block of Bank, 46.; Bunderland, 54.; Burlington Bistrict, 54., Chilinio City and District, 24., Cartisis and Combertand, 54.; Substitute and Burths. 54. Cartisis and Combertand, 54.; Substitute, 54., Cartisis City and District, 24., Cartisis and Combertand, 54.; Substitute, 54.; Substitut

BUNDERLAND, Two areas a combanderical Joint Mock Bank, 61. North of England, 61. on od., Nowcastie, Shickida and Smoteriand Union, 61. n., Northemberland, 64. in. od., Nowcastie, Shickida and Smoteriand Union, 61. n., Northemberland and Ducham District, 66. in., Newmatic Commercial, 61. in. — Durham and Smoteriand Railway, 164., Branding Jucciton, 501, Northematic and Carlida, 7246. Newmatic and North Shickida, 504, Hartispool Duch and Sailway, 1864., Great North of England, 611. on. — Wast England Company, 21. in., Servingh, 24. ion., Carathon, 48. of Type, 164.— Smoteriand Scholerphino Gas Light Co., 164., Sunderland John. Stone Fromton Assectation, 541., Sunderland Esthinger Buildings, 504. Bushing-wearmouth Water worth, 641. Smoteriand Arande Smithling, 564., Month was smouth that Light Company, 464., Northern Coal Mining Company, 144.

LIVERPOOL, Farson, Chester and Birkenhood Railway, 1741. Eastern Counteses, 164.; Lordon and Eastern Counteses, 164.; London and Eastern Counteses, 164.; London and Branchoster, 164.; London and Brighton, 164.; Manchester, 164.; London and Brown, 164.; Manchester, 164.; London and Brown, 164.; Manchester, 164.; Paris and Rossen, 1641.; Indianad Counteses, 1664.; North Middand, 1641.; Marchester and Lordon, 1641.; Marchester, 1641.; Paris and Rossen, 1641.; Bank of Liverpool, 1641.; Commonweal, 1641.; Liverpool Banking Company, 1641.; Manchester, 1641.; Liverpool Banking Company, 1641.; Manchester, 1641.; Liverpool Banking Company, 1641.; Manchester, 1641.; Liverpool Banking Company, 1641.; Marchester, 1641

Birkill Nilla.M. Two-scare, .... London and Directophare Railway, 2002, to 2742.

London and Brighton, high, London and Breath Western, 6th to hal, threat Wordorn togs, to 1854, Birchingham and Berty, 511. to 652, Birchingham and Cheprosided 461. to 1815, Manchonist and London, 911. to 655. Birchingham and Cheprosided 461. to 1816, Manchonist and London, 911. to 265. Birchingham and Cheprosided 461. Birchingham and Brailing Chapters, 911. to 655. Birchingham and Cheproside 461. Birchingham Walter, Works, 854. Birchingham and Cheproside 461. Birchingham and Shaffordshire, 864, 864. Store ditto, 146.

# COAL MARRET, LONDON.

OCAL HARRIT, LONDON.

MINIST. — Prices of coais per fees at the cione of the market — A feer's Main is market Blackers of the Coais was the cione of the market — A feer's Main is market Blackers of the Decision's West Harting is 6 — Harting is 15 cm Blackers (15 cm Aller Berliners), 15 cm Aller 11 cm Aller Blackers (15 cm Aller Coais 11 cm Aller Blackers (15 cm Aller Coais 12 cm Aller Blackers (15 cm Blackers (15 cm Aller Coais 12 cm Aller

WEST-RESIDAT Admin's Main 14 C. Harting in C. Schope accress, 27.

WEST-RESIDAT Admin's Main 14 C. Harting's Starting's Marring in More in College and the Marring of More in College and the Marring in C. Translated More in C. Wood acting in C. Translated More in C. Wood acting in C. Translated More in C. Wood acting in C. Translated More in C. Translated More in C. Translated More in C. Translated In C. Translated More in C. Translated In C. Tr

# THE LONDON GARPTTE SANKRUPTS

THE LONDON CASETTE—ANABOUTS.

THERMAY - F & Browler, Claimed sloves, dragues - L. Wilson, Ethicaphane, Ever a cross of Freshine, Bistoryagorus, stevast orthogost, motor democra-C. Chilty, Circum witch, Said, when searchines, J. E. Chirary, Decision-chirary abtreet, Barrey, climano, & Crost county and S. Booker, J. R. Chirary, Decision-chirary abtreet, Barrey, climano, & Crost county and S. Booker, J. R. Sandano, S. Children, S. Ch

IRONMADTERS'	MESTINGS-1043	

Water!	Paumint	April		15000	Dair		100	Chill.	ě
With the San Park of the Control of	Windowski Mark	100	8 -	Alema N	160	8		168	9
Microsoft San Methods	Ribertonia,		٠.	4 Total A	160			190	-
Milespelline street	PULINE	96	2 .		100	7		100	
THE REAL PROPERTY.	Bearing .	180		Lond Sec. (A)	161			100	7
Minimiped (most week their)	Minutes	w 1	٠.	R RESCUA		(B)	-44.0	16	

#### SALE OF COPPER ORES IN CORNWALL

	-	-			-		-
Mines.	Tons.	Price.	Purchasers.	Mines.	Tons.	Price.	Purchasers.
Cumania .	. 168	# II 6	Williams.	Trosgream	50	#3 7 4	. P. Grenfelia
ditto	100	8 11 6		ditto	281		. Mines Roya
40tho	98	5 9 6	Nevill & Co	ditto	254	4 18 6.	. English Co.
ditto	91	4 15 0.	. Prosmans.	ditto	42	4 2 0	. P. Grenfelia
dittio	86	4 14 6	. Viviana.	Hallenbea	g.254	4 8 8	. Vivians.
ditte	78		. Williams.	ditto	254	4	Freemans.
dirto	78	7 1 6		ditto	254		. Nevill & Co.
ditto	B44	2 15 0.	. Navilla Co.	ditto	76	8 12 6.	. Williams.
ditto	844 .	S 15 B.	Williams.	ditto	74 .	2 . 4.	
ditte	47	8 1 6		ditto	59	3 4 6.	. Viviana.
ditto	36	2 16 0		ditto	85	4 6 0.	Freemans.
ditto	20 .	4 11 6.	. Viviane.	ditto	95	0 15 0	English Co.
ditto	26	4 11 6.	. Williams.	Fuwer C.	112	5 10 B.	P. Grenfeiln.
4litto	41	4 2 0		ditto	56	4 17 0.	Viviana.
ditto	22	0 15 0.		ditto	67	5 12 6.	P. Grenfella.
ditto	16	3 4 5		E. Downs	106	3 9 4.	Viviana.
United M.	136	4 12 0.	. P. Grunfella.	ditto	67	8 17 4.	
ditto	116	# 7 0	Williams.	4ltto	40	S 12 4.	-
ditto	554		Virians.	West Jews	179	4 18 0	Nevill & Co.
4365.7	544		Freemans.	ditto	35		Freemans.
ditto	166	4 19 0.	WINSOM.	ditto	35		Navill & Co.
ditto	60 .	4 17 6.	. Nevill & Co.	ditte	50	2 19 0.	- Marie
I. Carados	78	\$ 7 6.		Wh. Ellen	67	4 6 6.	-
ditto	25 .	8 7 A.	Williams.	ditto	87		Freemans.
ditto	56 .		Freemans.	ditto	19	2 14 8.	Mines Borni
dillio	38		P. Grenielie.	4itto	18	# 19 K.	Freemans.
dillan	BS	\$ \$ B.	Nevill & Co.	ditto	4	6 15 6	Viviana.
ditto	#4	6 1 0.	Freemans.	Treisigh C.		4 5 6.	Williams.
ditto	56	8 16 0.	Viviana.	ditto	45	2 15 6	Nevill & Co.
7000 7000	MG	A 10 6.	-	Wh. Vyyya		1 9 0.	Freemans.
differ	62		-	mitte	30 .	4 '9 4.	Williams.
ditto	60	9 14 4	Williams.	Photnix M.	27	9 2 4	Freemans.

	TO	TAL	PRODUCE.		
			Williams's East D. 215 #777		
United Mines	2111	17 6	West Wh. Jowel 200 1011	166	
Bouth Caradon 494 1	2175	15 4	Wh. Ellen 167 663		
Tresavena 376 1	1354	12 4	Treleigh Consols 5:0	81	
Hallenbeagle Mi I	347	17 0	Wh. Vyryan 10 249		
Forwary Comsols 274 1	453			7	

Average standard, 1981, in.—Average produce, 62.—Average price, 41, 114, 64.— mantity of ore, 8741 tons.—Guantity of fine copper, 254 tons 12 cwt.—Amount of corey, 17,3671, 10s. 64.—Average standard of last sale, 1021, 13s.—Average pro-use, 72.

#### COMPANIES BY WHOM THE ORES WERE PURCHASED.

	Tons.	Am	048	t.
Mines Royal Company	474	. alni	1.8	3
Reglish Copper Company		. 157		3
Virian and Some		. 3132	19	2
Freeman and Co	454	. 17 60	10	2
P. Grenfell and fions	464	. 1236	6	
Sims, Willyams, Neville, Druce, and Co	6284	. 2916	7	2
Williams, Foster, and Co	12314	. 5494		
Total	2741	£17,267	10	-

Copper ores for sale on Thursday next, at Serpell's, Pool.—Mines and Parcels.—
E. W. Crofty, Sc., 714 Dolcouth, 421; Camborne Vean, Sc., 377; South Wheal
Basset, 329; Caired Hills, 419; Far Consols, 301; Fowey Consols, 240; Wheal
Trewayss, 175; East Pool, 116; Brewer, 122; Tretoil, 165; Wheal Harriet, 101;
Wheal Vor, In; Wheal Tolgue, 57; Wheal Penrose, 36; Tregulan, 31; Wheal
Towns, 11; Lesseave, 6; Wheal Rinsey, 3.—Total, 350; tons.
Copper ores for sale on Thursday week, at Andrew's Hotel, Redruth.—Mines and
Parcels.—Wheal Friendship, 464; Wheal Virgin, 392; Fowey Consols, 295; Wheal
Providence, 348; Botallack, 372; Wheal Darlington, 312; Levant, 144; Providence
Mines, 124; Wheal Trem (th. 119; Crosey Blazes, 44; M. 1-van Consols, 59; Wheal
Neptane, 62; Tregothusa Consols, 36; Spearn Moor, 9.—Total, 2543.

#### SALE OF COPPER ORES AT SWANSEA Sampled March 8, and sold on the 29th March.

M	lene.	Frances	Stand.	Police	Minag	Tree	Province	Brand	Price	-
Cohre	54	12	. 954	. 4	6 Santiagn	. 90	244	. 40	. 19 8	4
ditto	903	12	954	D 4	ditto	44	244	. 104.	. 19 10	. 6
diffe.	416	114	. 1064	9 7	0 ditte	. 41	248	. 994.	. 19 16	
diffe	5.7	12	. m.j.	17 10	6 Chill					
40000					6 diffix	100	. 274		. 10 .	
ditto					e ditto					
ditto							. beg			- 4
dalto			. 97		6 Connocree					4
			. 914		e ditto	. 96		136	. 1 16	
					6 diffo					
Knockmahos			. 10 if		e ditte					
dillio			. 994		e Lincolidae					
ditto	31005	. 94			o Tigroup					-
GHto			. 1682		6 Cronebane					
dittes			1064		b dittin					4
dirtin	dist		1021		f Brachaven.					
ditte			1044		O Aberdovey					ě
401000			. 944		disto					
diffin			. 97 .		6 Liamidhogs					
ditte				A 12	6/Giomesters)			47 4	16 19	

# Tutal tone, 3452.-Total amount, #24,749 18 6

		***	100		MUDICUL.					- 1
obre	607	#8714	18		Tigonry		75	200	12	
maken	764	4834	5.4		Cronebane			354	1.0	
antinger	314	. 4198	18		Bearbaven		67	839	100	
NAME	174	5019			Abserdover	*****	24	244	7	
	200.	334		6.	Lincidiora		18	2.7	1.5	0 /
Date of the Parkets	-	674	- 4	-6	(Viconspaniers)	Line.		1.00	44	

# COMPANIES BY WHOM THE ORES WERE PURCHASED.

	Tuns.	Ar	804	at.
English Copper Company	2014	47999	14	- 4
Freeman and Co		. 312	15	. 0
tirresfull and floors		. 3949	- 2	- 6
Sime, Willyams, Noville, Druce, and Co			14	
Vivian and Some	400A	flutt4	19	-
Williams, Foster, and Co		(600)	12	
	Macroson.	-	-	-
	W-88	ARRA TAX	2.4	-

Copper over for sale April 13.— Color 120. diffe 114. diffe 104. diffe 17. diffe 42. excite 144. diffe 18. diffe 18.

# BALE OF BLACK TIN

# By Ticket, on the 17th of Murch, at Pensance.

Monor.	Toma.	Price	Amore	mt.	Purchasers.
Wheel Mary ditto ditto ditto		55 A	\$ 33 s	1	James.  Williams and Co. Williams and Co. James.

# LATEST CURRENT PRICES OF METALS.

	m.,	
Associa-Francisco, tom . 8 5 to 24 8		Ctores - Old per lb
Fire descreep B C C DE C		Cake p. ton d c t to #2 ft
Proce-Region sheet c c c M		For cake 0 0 0 to
Quickesses		
two English har, Act p. ton 3 4	*	Tix English, blocks, &c. cut. A &
Nad rods 5 5 5 5 5 5	10	bars 0 0 0 3 3
. Hoops		Foreign, Sunca 0 00 3 3
Bhools 6 5 6 6 16		Stracts 0 4 8 2 6
Charges in Waters 4 & 6 4 19		Permeian # 6 # 2 15
Fig. Sco. L. Winter & C C S 15.		The plates, No. IC. p. box 1 & 6 1 8
No. 1, Cirds A S S S S		No.13 1 11 0 1 14
. For , Swedish IC 10 0 10 11		wasters la. p. tora less
		S.a.a About milled p. hos 14 19
W PAR aroun		. Blut, patient II e
. Greated 15 10		. Red 11 0
Archangel		white a suppose of a
branco-Brendah kop p. ton L' A		Post Annum Kinglish 17 4 5 17 16
Facquel t 2 2 com-		Symmink 0 0.0 12 0
Consume - Browton shoughtone . D. J. 14.		. American . 0 4 5 17 6

EXPLOYATION OF THE PROCESSOR METALS.—The following are the officering of the expense of post and since them the post of bonden for the week or any Thermody last

marks on				NAME AND ADDRESS.	
\$60 max	ender, 1	to litting from	Acres 10 10 1 10 10 10	8670.3	-
	-	Scooler	CONTRACTOR STREET	MILITARY.	160
	-	Budfrerban.	AN ADDRESS OF SHIP PARTY.	DECISION.	100
	16.	Calain	CONTRACTOR CONTRACTOR A N	190,160	86
Bill trans	Searce !	to Brosslenz	OR OTHER DESIGNATION OF THE	194,800	NOV
	- No	Chillade	O DESCRIPTIONS STATE	po, mu	86.
Minds!	back !	a Now York	I THE RESERVE AND ADDRESS.	7,,7600	86
	100	Bossinar		1,000	-
	-		Annual Control		

# CURRENT PRICES OF MATERIALS IN CORNWALL,

AS SUPPLIED AT THE PRINCIPAL MINES.

Common iron, per cwt	-	66	ė.	Barrow bends	Ga	64
Half-inch square			П	Short lead	-72	
Fire-eighth ditto	7	6	т	White ground lead	25	
Best tough whim chain	200		11	Red lead		
Boiler plates	11		Al-	Tallow		
Whim hibbie ditto	14		П	Candles, per dozen list	A	4
Hoop iron			1	Gannowder, per 196 lbs		
Best rolled from			II.	Leather bends, per lb	7	16
Chargoal iron	14		li.	Ropes	36	
Inch ditto	84.		E	Fial ropes		
Half-inch ditto	12		Ŧ	Hemp		
Bilatered steel	23		1	White yarn, per cwt		
H 2 steel	82		41	White rope		
Nail rods	11		ĸ.	Engine shag		
Miners' shovels	20	ě	П.	Stockholm far	25	
Ditto steel pointed	40		Ţ.	Linseed oil, per gallon		
Board maris	14		Ī.	Rape ditto	A	4
Haif-board ditto		3	1	Brass-wire sieves, each	40	
Hatch ditto			н.	Iron-wire ditto	25	
Half-hatch ditto	21		н	Iron-wire work, per foot		4
2s. mails	14	4	а.	Machine bottoms	28	
Five-lock spike difto	14		II.	Halk		11
Casing ditto	18 -			Birch, per fout	1	4
28 lbs. nails			1	Pine	45	
14 ditte	18		1	Shovel hilts	2	0
Coals, per toe, at quay	9		1	Pick hilts	ī	4
	-	_			-	78

#### PRICES OF MINING SHARES.

There has been considerable business done in mining shares during the past week, and it is gratifying to observe a gradual, but steady and certain, improvement—not only in the tone of the market, but in the reports from, and actual produce of, the mines. Under the head "Foreign Mining Intelligence," will be found a report from the Alten Mines, of a very satisfactory character—the estimated total produce for January having been 253 tons of ore, containing twenty tons of refined copper, the general results of the estimates and assays were encouraging, and this mines hids fair to take a high stead in the market.

BRITISH MINES.	BRITISH MINES-continued.
Shares. Company. Paid. Pric	
500 Anglesey 4	120 Treviakey and Barrier 300
4,000 Bedford 14 2	96 Tresavean 126
100 Botaliack	120 Trethellan 230
\$5,000 British iron 70	4,000 United Hills 8 4
6,000 Blasnavon 50	6,000 Wicklow Copper
120 Brewer 140	6,000 Wicklow Copper 5
79 Bodnick 20	120 West Trethellan 75 pg
1,000 Caru Brea 15	59 Wheai Vor
5,000 Con. Tretoti Mining Ass. 4 2	1,000 Wheal Bandon
2,000 Cornubian Lead Co 2 28	1,000 West Carbery 13 12
312 Cook's Kitchen 50 112 Charlestown 300	FOREIGN MINES.
128 Crogg Braws 40	5,000 Alten Mining Company 184 32
128 Coaheen 15 150	10,000 Augio Mexican Co 100 a.
10,000 DurhamCountyCoaiCo, 57	3,374 Do. Subscription 25 3
128 East Pool 310	2,000 Bolanos
lor Great Consols 97 606	Ditto Scrip 15 42
10,000 Hibernian 124	10,000 Brazilian Imperial 21 04
1,000 Holmbush 14 40	18,000 Bolivar 29
2,000 Inic of Sark (Guernsey) 11	
80 Levant450	10,000 Cata Branca - Bracilian 1
19,000 Mining Co. of Ireland 7 144	10,000 CataBranca—Brasilian 64. 4
128 Mostyn Mines 100	12,000 Cobre CopperCompany 40
70 North Rockest 300	8,500 Colombian Co. regis 85
S.out Polberon Crascis 10	10,000 Copiapo Mining Co 134 . 9
10,000 Rhymaey Iron 36	10,000 General Mining Asso. 20
1,000 Rosring Water \$ 8	A,851 Mexican Company bes
128 South Caradon	12,000 Moraubas and Cocaes 25 3 4
800 South Towas 10 14	( Ni.del Monte, regis, ) ( 4
64 SouthWheal Basest 500	Do. unregistered . ] #1 6
37 Speam Moor 70 100	Ditto Loan Notes 180 127
135 Tregullan	7,000 Hoval Mantines 10 22
4,000 Treinigh Consols 5 14 2	11,000 St. John d'ei Rey 15 4
4,000 Tamar Consols 8 100	10,000 United Mexican 40 2
6,000 Tiperoft 7 . 154	BlackScrip,addl.capital 5 5
126 Trewavas	Red New Bestip 14 3

#### BAILWAY SHARE LIST AND TRAFFIG

Line.	Entire Lgth.		Present ac- tual cost.		Val.of Share.	returns.
Arbroath and Forfar Railway	13	18	₫ 136,706	28	23	#113 0 7
Birmingham & Derby Junc.	454	48)	1,140,085	100	43	1169 19 6
Birmingham and Gioucester	88	85	1,440,651	100	49	1127 . 3
Brandling Junction	25	25	454,834	50	-	730 7 6
Chester and Birkenhead	144	144	556,424	10	30	405 16 0
Dublin and Kingstown	. 6	6	340,262	100	774	545
Dundee and Arbroath		148	141,512	25	24	185 19 14
Durham and Sunderland	16	14	266,137	504	18	700 14 6
Eastern Counties*	126	31	7,194,166	28	104	1097 6 8
Edinburgh and Glasgow	46	46	1,513,597	80	471	1794 10 8
Giangow and Ayr	41	40	966,594	10	40	856 7 0
Glasgow and Painley Joint	224	224	730,289	26	25	745 6 2
Gd. June. & Chrester & Crewe		1164	2,418,486	100	196	6546 10 11,
Great North of England	74	45	1.201,471	100		1183 3 1
Great Western	1184	1154	6,540,821	68	94	11 40 1 E E
Hayle	10	10	125,000	100	-	Manual III
Hall and Selby	31	81	645,996	30	201	950 19 11
Lancaster & Freaton June.	204	204	480,509	42	874	-
Liverpool and Manchester	31	81	1,3:5,255	100	183	3712 15 A
London and Birmingham	1124	1124	A-M22-812	1:0	200	13000 16 10
London and Blackwall	38	3.0	1,225,373	14		809 IN 4
London and Brighton	86	84	2,300,645	80	354	2464 2 6
London and Cruydon	104	104	484,171	150	110	210 16 7
London and Greenwich	38	24	1,019,696	128	54	760 16 11
London and South Western	928	919	2,580,934	204	641	4946 g 1/
Manchester, Bolton, & Bury	10	24	777,987	940	56	196 9 161
Manchester & Birmingham	40	81	1,556,415	40	24	2561 # 6
Manchester and Leeds	20	80	3,430,206	.70	(Box	3034 A 0
Midland Counties	87	87	1,436,148	100	534	PE'6 19 46
Newcastie and Cartisle	61	61	(SERVICE)	100	78	1888 6 7
Sewcastie and N. Shields	7.	7 1	252,479	43	44	366 18 8
Nurthern and Eastern?	304	324	800,007	43	35	1899 7 8
North Midland	724	788	3,542,544	100	-	9680 7 A
North Unions	2.5	2.3	612,618	20	704	845 19 B
Preston and Wyre	1s	10	817,895	40	246	100 0 4
theffield and Manchester	40	11	812,864	824	324	816 In 7
touth Eastern converse	80	-	1,995,962	20	254	1610 7 11
Taff Vale	30	30	889,718	198	-	718 9 11
leter or assessment a	28	24	814,000	29		415 19 10
fork and North Midland	17	27	551,681	80	W .	1886 16 1

Including Northern and Eastern Railway toil.
 Rest and tail to Easter Countries about 136t, per week, included in the returns.
 The Liverpool as Manchester toil is deducted.

# JOINT-STOCK BANKS.

Shares.	Crospany.	Paid.	Price	Shares.	Company. Paul. Price
14,000	Ametrolasia	40	474	Acruptant	Liverpool Borough Id 144
	Birmingham			\$3,md	Dotto Bank of 124., 10
245,0960	Brittish N. American	40	454		Ditto Banking Co. 10 44
19,000	Chellack. A Gloscon	A. 6	17.4	Sd, hero	Elitin Commercial 10 , 16
100,000	Commercial of Eng.		860	E,doob	Ditto Royal \$50 0004
1,000	Commer, of Lemina	2005	148	200,616	Manch. & Liver. Dia. 15 10
T4,640	Colonial	. 25	154		Manchenter 10 . 45
545,000	Rast of England	10	74		Manchester & Salfold [2 , 22
10,000	Glovensbersbirg	16	363	79,200	National of Ireland 174 15
4,000	bomian	. 15	24	10,000	Nati. Provi. England Sh Sop
[15,0000)	Londs Banking Co	. 18	14	\$10,1100	North & South Water 14 5
26,660	Lorente & Wood Riching		54	30,800	Provinces of Iroland 25 422
\$4,600	London & Westman	. 10	204		South Laucustire 74. 64
	London Joint Stock			25,000	W. of Reg. & S. Walca D. 12; 12
\$6,000	London and County	18	1.3	200,5100	Union of Australia 25 35
114,0000	L/verpord Albins	. 28	1966	\$6, min	Union of London 10 10

# MISCELLAWROUS

Sharon, Company, Paul, Price	Shares. Company. Paid. Prict.
10,000 Auglo-Mexicus Mint 16 13	S. 10s Hungselind Market 100 514
10,000 Aud Dry-Rid 104 I	1,400 Louding Corn Knok LTL 30
10,860 Audains (Christope) 4 4	9,190 London Cacutchovar , 729 , 13
10,000 Assum Ton Company Ills 40	1,00: London Cometary 28 16
10,000 Anniral Agricultural Billia. 25	\$,500 Loss, Barrery, Dark, Bost, 10 4
A.473 Australian Frant Co 35 369	18,700 Met. Pat. Worst Parting 8 8
15,300 Billionera Bantonese Fg. #	\$2,000 Mexican & S. Asserican 7 8
to one Dilles Probrantess	- New Brunswick [Lil.] 60 [3
6,000 Book Amor: Land Co. 201. 2	Presidential & Official St 49
4,700 Bottl. Loans & Din. Innt. 19 19	L.307 Roven, Set. Society 100 100
A. ADM. BOOK, MINUS & Plat. Said. 35 17	13,400 Screw Maril Meson Pot. 30 17
6,303 Carrata Land Co 209 - 40	Artest Bloom's love Freedry 40 M
1,000 R. C. of Con. Ame. Dat. 20 14	14 and Smoth Australian IR If
A. rick Description Paragraph Starts 35 130	Little Ship Consers' Towley 74. 15
5,700 Roseltshile Server Sco. 60 61	After Themm Tuesd br . 9
Dit. rice: Gots. Microry Warrier 14 . 174	10,000 Van Dorman's Land . 185 . 8
A DESCRIPTION BURNESS DATA STORY AND AND	A come W. Lore & Winstelland Charge

Location: Proposi and Published, weakly, by Staver Evisions, at the Office, No. 16, FLEET-STREET, in the oily of Locates; where all CompanisationDists and Adventisements and the question in he forwarded, post-page.

[Agent 1, 1985].